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PART A

IONOSPHERIC DATA

ISSUED
AUGUST 1963

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 228
PART A

NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

Issued
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IONOSPHERIC DATA

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IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevier, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1962, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	10	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	49
1962	45	42	40	39	39	38	36	34	32	31	30	30
1963	29											

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, foE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
(M3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE.

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MANILA OBSERVATORY, PHILIPPINES.
BAGUIO, LUZON

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OKINAWA I.
WHITE SANDS, NEW MEXICO

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA. (CENTRAL RADIO PROPAGATION LABORATORY).
FAIRBANKS (COLLEGE), ALASKA (GEOPHY INST OF UNIV OF ALASKA)
HUANCAYO, PERU (INSTITUTO GEOFISICO DEL PERU)
POLE STATION, ANTARCTICA
WASHINGTON, D.C.

TABLES OF IONOSPHERIC DATA

December 1962 - May 1960

TABLE 1

BAGUIO, LUZON (16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	56	54	40		D	U		75	94	99	106	98	101	105	103	U	U	U	U	U	U	U	
	CNT	8	4	6	5	27	30	33	57	31	31	31	28	31	31	30	30	100	100	91	73	65	63	63	58
	UQ	60	62	59	42	5	1	5	31	31	31	31	28	31	31	30	30	31	31	30	29	26	26	21	15
	LQ	50	41	43	30	32		35	61	80	100	108	110	106	111	113	107	64	64	62	61	72	68	66	64
						26		32	52	54	88	94	93	90	90	92	95	105	106	99	82	61	60	58	54
h'F2	MED									U								98	91	77	65				
	CNT								260	275	285	295	300	310	305	300	275	250							
	UQ								1	8	30	27	28	26	28	29	26	23							
	LQ																								
h'F	MED	255	255	240	230	F	F	E		235	220	210	210	205	200	210	225	230	235	215	220	245	245	240	245
	CNT	19	19	23	15	260	290	280	245	9	30	29	27	25	19	22	28	28	31	31	31	31	31	28	26
	UQ					4	1	3	31																
	LQ																								
M(3000)F2	MED	325	U 340	U 355	370	315	90	U 325	U 340	U 325	U 325	325	300	285	290	300	315	320	335	340	335	305	U 310	U 330	U 345
	CNT	9	4	4	2	2		3	30	31	31	31	27	31	30	27	29	28	27	28	26	23	26	18	14
	UQ	335	355	370				325	350	340	345	330	335	315	305	325	325	335	355	350	345	325	325	335	355
	LQ	320	310	345				320	335	320	315	305	270	260	265	285	310	310	325	335	325	295	305	320	330
foF1	MED											U 450	U 450	U 460	U 450	U 440									
	CNT											5	9	5	5	1									
foE	MED									D 300	D 310			U 340	330	U 340									
	CNT									1	1			1	1	3									
h'E	MED									120	111			119	121	121									
	CNT									4	1			1	1	3									
foEs	MED																								
	CNT	22	26	28	21	11	4	10	31	31	310	31	31	31	31	31	31	31	31	31	31	31	31	30	25

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 196.

TABLE 2

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	51	45	43	40	43	49	53	57	585	59	60	57	56	54	54	52	515	525	55	59	655	665	62	555
	CNT	29	29	28	27	30	28	30	27	28	28	30	29	29	30	30	29	28	30	29	29	30	30	29	28
	UQ	55	51	48	42	47	52	57	63	64	64	62	61	59	56	56	57	57	55	57	62	69	73	67	60
	LQ	46	43	40	38	41	46	50	50	54	56	56	54	52	51	50	50	48	50	52	56	62	63	58	50
h'F2	MED					336	355	365	358	375	352	340	355	356	378	378	360	370	335	313	279				
	CNT					20	23	29	27	28	28	30	27	29	29	30	27	27	25	27	27	1			
	UQ					372	380	402	410	411	378	365	374	386	428	410	375	410	358	335	290				
	LQ					309	341	342	335	330	322	325	340	332	359	346	325	340	310	294	267				
h'F	MED	260	262	265	282	250	231	228	E 222	E 230	E 210	206	E 202	200	197	198	206	215	E 235	E 240	E 243	253	242	242	246
	CNT	30	30	30	30	28	25	26	24	23	19	26	22	27	29	26	28	24	25	21	16	29	30	30	30
	UQ	265	277	278	291	260	250	250	250	260	224	215	207	201	210	214	215	222	256	265	257	260	250	255	259
	LQ	243	245	260	274	240	220	220	212	210	195	190	185	190	186	190	200	210	224	230	238	245	235	230	238
M(3000)F2	MED	295	295	290	285	288	282	280	280	275	295	300	300	308	295	290	305	300	300	305	310	310	312	305	300
	CNT	27	28	27	25	30	28	30	26	27	26	30	27	28	30	29	28	28	29	29	29	30	30	29	26
	UQ	305	300	300	300	300	300	290	295	290	305	310	305	320	305	300	310	310	310	315	320	320	320	310	310
	LQ	290	290	285	280	275	275	270	270	270	280	290	290	290	280	285	300	280	295	290	300	300	305	300	290
foF1	MED					280	350	390	400	420	430	440	450	450	450	450	430	430	400						
	CNT					8	16	25	24	23	19	27	22	27	29	28	27	23	16	3					
foE	MED					189	U 220	U 262	U 280	U 300	U 320	U 328	U 340		U 330	330	312	300	270	235					
	CNT					7	10	12	17	17	15	10	11	3	5	11	16	21	19	13	1				
h'E	MED					131	110	105	102	100	100	100	100	100	100	100	101	102	105	108	117	120			
	CNT				2	20	30	30	29	30	30	30	30	30	30	29	29	28	29	30	27	9	1		
foEs	MED	17	18	155	14	19	27	335	395	43	485	43	405	41	37	35	35	35	39	36	35	36	33	32	225
	CNT	29	29	30	21	28	30	30	28	29	300	30	30	30	30	30	29	29	29	28	29	29	28	29	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 196.

TABLE 3

WHITE SANDS, NEW MEXICO (32.3N, 106.5W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	41	41	40	40	38	38	48	56	60	60	60	63	64	67	68	65	69	70	69	72	72	56	48	44
	CNT	23	23	28	28	26	28	28	26	28	27	30	28	30	29	30	30	30	30	29	29	29	28	27	23
	UQ	45	47	44	43	40	42	52	66	72	74	69	68	70	72	75	78	77	75	79	78	75	61	56	47
	LQ	38	38	36	33	32	35	44	50	52	52	52	54	53	56	59	60	63	62	62	66	62	48	42	39
h'F2	MED							318	322	311	346	356	378	376	344	358	350	317	305	277					
	CNT							20	25	28	28	30	28	30	29	30	30	30	30	27					
	UQ							356	378	364	380	431	448	518	429	400	364	345	317	290					
	LQ							292	295	282	308	337	345	349	336	325	328	310	290	269					
h'F	MED	285	E 284	274	280	275	267	234	214	205	193	198	194	200	209	202	210	223	220	225	250	229	234	260	269
	CNT	27	30	29	29	28	28	26	21	26	27	26	24	28	26	27	26	28	24	22	29	30	28	29	30
	UQ	300	300	300	300	302	276	245	224	225	200	208	205	222	225	220	220	236	250	235	264	244	250	270	285
	LQ	270	269	250	250	262	253	220	210	200	190	185	178	186	195	190	205	214	210	225	240	223	224	250	256
M(3000)F2	MED	290	290	290	300	295	310	305	290	300	285	280	275	275	285	290	290	300	305	305	315	320	305	300	295
	CNT	22	22	24	24	24	26	28	26	28	29	30	28	29	29	30	30	30	30	29	28	28	28	26	23
	UQ	300	305	300	310	300	320	320	325	320	305	300	290	290	295	295	300	305	310	315	330	330	320	305	300
	LQ	285	285	290	285	290	300	300	285	285	280	270	270	250	270	275	285	290	300	300	300	310	300	300	285
foF1	MED							365	410	430	440	460	465	460	470	460	440	430	410						
	CNT							10	21	25	25	26	24	28	27	27	26	28	22	2					
foE	MED							U 230	U 268	U 305					U 345	U 350	U 340	310	280						
	CNT							5	6	7	4	3	4	2	7	13	11	16	10	2					
h'E	MED							113	105	105	103	104	103	103	103	103	104	105	110	E 114					
	CNT						2	27	28	29	29	29	30	29	30	29	29	27	27	23					
foEs	MED	38	34	34	34	40	23	31	37	38	39	44	46	43	42	41	40	37	38	31	35	35	34	47	40
	CNT	19	25	24	24	21	23	24	28	29	290	30	30	30	30	30	30	30	30	29	26	27	26	21	22

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 196.

TABLE 4

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	59	53	56	45	36	32	37	65	80	89	87	81	76	79	79	81	83	82	80	73	72	71	67	63
	CNT	26	28	29	27	27	27	28	28	29	28	30	29	35	30	29	28	28	29	29	28	28	26	25	25
	UQ	63	62	60	50	45	39	42	68	85	92	90	84	81	81	84	84	88	86	82	75	73	79	75	70
	LQ	54	48	45	37	31	26	33	62	78	84	81	76	76	74	74	77	76	74	71	67	67	67	62	58
h'F2	MED											320	340	340	U 350										
	CNT									2	4	12	11	12	[illegible]	2									
	UQ											320	355	350	370										
	LQ											300	330	320	330										
h'F	MED	220	220	225	230	240	245	265	240	225	215	200	195	195	190	190	190	200	240	270	290	280	255	230	225
	CNT	28	30	30	28	26	28	29	25	30	29	30	29	30	30	29	28	29	29	29	30	30	28	27	28
	UQ	230	235	235	240	250	260	280	245	225	215	210	200	200	195	195	195	215	245	280	315	305	275	245	230
	LQ	215	215	220	225	230	240	260	235	220	210	200	190	190	190	190	190	195	240	265	280	260	240	220	220
M(3000)F2	MED	335	340	330	330	330	330	300	325	315	275	260	255	250	250	250	250	260	260	265	260	270	295	310	330
	CNT	27	29	30	27	28	28	28	28	29	29	30	27	30	30	29	27	28	29	29	28	28	27	26	26
	UQ	340	350	340	340	340	330	315	330	310	300	270	265	260	260	260	260	270	270	280	275	280	310	330	340
	LQ	330	320	325	315	320	320	290	320	290	260	250	250	250	250	250	245	250	260	250	255	260	280	305	315
foF1	MED												U 460	475											
	CNT								4				3	13	3	1									
foE	MED							E	225	U 280	U 320	U 340	U 350	U 355	U 350	U 340	U 310	U 280	U 220	E					
	CNT							24	28	29	28	30	28	29	30	28	28	28	25	14					
h'E	MED							E	114	113	104	100	107	100	107	107	102	109	115	E					
	CNT							27	27	30	29	30	28	28	29	28	27	28	26	16					
foEs	MED	31	31					36	48	68	74	77	80	80	80	77	73	72	57	32		36	42	35	36
	CNT	27	30	30	24	23	29	24	29	29	280	30	27	30	30	29	26	27	28	28	23	22	28	27	24

SWEEP 1.0 MC TO 25.0 MC IN 1 MINUTE 48 SECONDS. MAY, 1962

W[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	41
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	305	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	410							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							11	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	22					
h'E	MED							[illegible]	111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	111	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED			[illegible]	[illegible]						[illegible]		[illegible]			[illegible]	[illegible]	21	27	23	[illegible]	[illegible]			
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	7	7

WEEP 1.0 MC TO 25.0 MC IN [illegible] ONDS. APR [illegible], 1962

[illegible] TIME 152.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	27	28	[illegible]	[illegible]	30	32	33	37	[illegible]	47	50	54	54	56	58	58	58	60	55	47	36	[illegible]	28	25
	CNT	[illegible]	[illegible]	[illegible]	8	13	17	23	24	21	25	26	[illegible]	[illegible]	28	[illegible]	20	28	29	27	28	26	[illegible]	20	17
	UQ	[illegible]	[illegible]	32	[illegible]	[illegible]	38	35	41	[illegible]	[illegible]	[illegible]	[illegible]	60	60	64	66	66	68	62	56	50	[illegible]	34	32
	LQ	[illegible]	22	[illegible]	14	[illegible]	24	32	35	[illegible]	42	[illegible]	[illegible]	48	52	52	53	53	54	48	42	30	27	24	22
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	315	[illegible]	315	320	325	330	335	335	335	325	320	320	315	310
	CNT	13	[illegible]	9	7	12	17	[illegible]	25	[illegible]	14	[illegible]	26	[illegible]	28	[illegible]	30	28	[illegible]	27	28	26	22	17	16
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	340	340	345	345	340	340	330	330	330	325	310
	LQ	[illegible]	[illegible]	270	[illegible]	[illegible]	270	[illegible]	270	280	270	290	[illegible]	300	310	310	320	325	330	325	320	310	305	305	300
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15														18	[illegible]	[illegible]	28
	CNT	[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	30	28	[illegible]	[illegible]	23	18	17	21	20

WEEP 1.0 MC TO [illegible] IN 13.5 [illegible]. MARCH, 1962

WASHINGTON, D.C. [illegible] TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31
	UQ	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	31	[illegible]	31	31
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	290
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	[illegible]	27
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	310	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED												[illegible]	[illegible]											
	CNT																								
foE	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	41	[illegible]	[illegible]	41	[illegible]	[illegible]	[illegible]	31	[illegible]						
foEs	MED							[illegible]			[illegible]	[illegible]							[illegible]		[illegible]				
	CNT	4	2	[illegible]	4			5	41	41	310	41	41	41	40	[illegible]	[illegible]	41	30	[illegible]	[illegible]	3	4	3	1

WEEP 1.0 MC TO 25.0 MC IN [illegible]. MARCH, 1962

TABLE 8

[illegible] BAHAMA I. 126.6N, 78.2W TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71	76	[illegible]	88	94	96	95	91	90	90	84	68	54	44	43	[illegible]
	CNT	27	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	28	27	28	28	28	30	29	30	31	31	30	31	29	24	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	100	98	[illegible]	95	90	70	58	[illegible]	50	50
	LQ	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86	[illegible]	90	86	85	83	74	59	47	[illegible]	[illegible]	38
h'F2	MED									[illegible]	262	[illegible]	[illegible]	[illegible]	284	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	14	[illegible]	[illegible]	[illegible]	27	28	[illegible]	[illegible]	[illegible]						
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	289	288	282	276	[illegible]						
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	272	272	268	258							
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	216	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	31	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	234	[illegible]	212	221	260	280	282
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	208	[illegible]	[illegible]	[illegible]	259
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	340	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	27	[illegible]	[illegible]	28	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]	340	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED												[illegible]	450	45										
	CNT										1	1	6	6	[illegible]	[illegible]	1								
foE	MED									[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	180					
	CNT								[illegible]	[illegible]	25	18	17	[illegible]	[illegible]	[illegible]	[illegible]	15	15	14					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]					[illegible]				33	45	[illegible]	[illegible]	[illegible]	36	[illegible]	29	19	[illegible]	[illegible]	[illegible]	22	23
	CNT	11	[illegible]	17	17	[illegible]	14	[illegible]	30	28	[illegible]	27	28	28	[illegible]	30	29	30	31	31	18	12	[illegible]	9	12

WEEP 1.0 MC TO 25.0 MC IN [illegible]. MARCH, 1962

TABLE 9

GARCHY, FRANCE (47.3N, 3.1E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U	U	U	U	U	U											U	D	U					U
	CNT	36	36	35	33	30	30	29	32	52	64	64	65	63	64	62	56	52	45	35	31	32	31	32	33
	UQ	25	26	26	26	21	25	23	24	27	26	23	26	25	25	26	28	29	27	29	26	21	22	26	26
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E	E	E	E	E	E	E	E										E	E	E	E	E	E	E
	CNT	280	270	260	270	260	250	250	240	215	220	215	215	210	215	220	220	215	210	230	230	240	260	270	280
	UQ	28	28	25	28	25	28	27	27	27	28	28	30	29	29	28	30	28	27	28	28	23	25	25	27
	LQ																								
M(3000)F2	MED		U	U	U	U																		U	U
	CNT	295	305	295	295	305	320	325	320	360	360	365	360	365	350	365	365	350	335	330	330	315	305	295	295
	UQ	10	16	12	12	14	11	13	14	13	14	16	18	21	21	19	22	12	13	14	18	14	17	16	12
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										U				U	U									
	CNT									195	250	265	280	280	280	255	220	175							
	UQ									24	21	22	26	29	26	24	23	20							
	LQ																								
h'E	MED																								
	CNT										110	110	110	110	110	110	115								
	UQ										15	19	24	23	18	23	15								
	LQ																								
foEs	MED		E	E	E	E	E	E	E			U	U					E	E	E	E	E	E	E	E
	CNT	15								22	27	30	32	32	32	29	29	21							
	UQ	23	26	23	27	24	28	27	25	14	160	13	15	14	7	11	11	16	25	27	24	26	26	23	27
	LQ																								

SWEEP JANUARY, 1962

TABLE 10

RESOLUTE BAY, CANADA (74.7N, 94.9W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	26	27	28	27	25	25	26	31	33	38	42	38	36	37	45	36	35	32	30	27	28	29	26
	CNT	30	30	30	29	29	30	30	27	29	26	26	25	26	23	25	21	26	29	30	27	28	27	29	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	260	265	270	260	270	270	270	265	245	240	235	240	235	235	235	240	230	240	250	260	260	260	260
	CNT	27	28	28	28	29	25	25	26	28	25	27	26	28	27	29	30	31	31	31	26	25	25	26	24
	UQ																								
	LQ																								
M(3000)F2	MED	U	U				U	U	U													U	U	U	U
	CNT	320	300			300	300	300		4	4	3	2	3	4	3	3	3	4	2	2	300	300	320	300
	UQ	6	5	4	4	11	6	7	3													6	5	6	8
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT												3	2	2										
	UQ																								
	LQ																								
h'E	MED																								
	CNT																								
	UQ																								
	LQ																								
foEs	MED																								
	CNT																								
	UQ																								
	LQ																								

SWEEP 1.0 MC TO 17.0 MC IN 20 SECONDS. DECEMBER, 1961

TABLE 11

LULEA, SWEDEN (65.6N, 22.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	22	18	19	18	18	18	19	20	35	43	49	52	51	46	36	31	21	20					U
	CNT	2	4	4	6	5	11	8	6	14	24	27	25	25	23	24	23	13	15	5					23
	UQ																								2
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	315	310	300	300	290	295	280	280	260	240	225	225	215	215	225	215	230	250	250		295	290	315	345
	CNT	9	16	15	14	16	10	4	2	21	26	27	27	27	24	25	25	22	14	6		3	2	4	5
	UQ																								
	LQ																								
M(3000)F2	MED	300	290	300	290	300	290	320	300	300	330	350	350	340	340	340	340	340	330	320					260
	CNT	1	4	2	5	4	11	7	5	9	21	26	25	25	22	23	21	12	12	5					1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										170	170	180	170	160										
	CNT										1	6	11	7	8										
h'E	MED														E										
	CNT										130	130	125	135	5										
	UQ										1	3	9	4											
	LQ																								
foEs	MED	J	J	J	J	J	J	J	J	J	J		E	E	E	E	J	J	J	J	J	J	J	J	J
	CNT	23	21	22	27	20	19	21	22	21	21	17	18	19	16	6	16	23	34	35	34	22	26	27	31
	UQ	17	12	9	9	6	6	3	5	5	100	17	19	14	15	15	9	6	10	14	8	12	13	14	15
	LQ																								

SWEEP .65 MC TO 24.0 MC IN 5 MINUTES, AUTOMATIC. DECEMBER, 1961

TABLE 12

LYCKSELE, SWEDEN (64.7N, 18.8E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U																						U	
	CNT	11	16	14	14	15	15	18	17	21	34	45	50	55	53	48	39	32	24	18	17	18	21	25	23
	UQ	20	23	28	29	29	26	28	27	30	30	30	30	29	29	29	28	28	23	24	20	14	10	10	13
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	300	290	275	275	275	275	260	260	245	225	215	215	210	210	210	205	210	210	240	265	275	285	U 300	290
	CNT	11	17	20	23	21	20	20	21	27	30	30	29	29	29	29	28	27	22	19	11	6	2	3	5
	UQ																								
	LQ																								
M(3000)F2	MED	260	290	290	290	300	300	290	300	300	320	340	330	340	340	330	320	320	310	300	300	300	280	280	290
	CNT	14	22	27	23	26	25	20	22	30	23	30	30	26	29	29	28	26	23	22	16	11	7	6	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									95	135	165	170	170	170	140	110								
	CNT									4	14	14	13	14	5	12	5								
h'E	MED										115	110	110	120	125	110	140								
	CNT										8	5	1	5	4	3	2								
foEs	MED	30	30	30	31	30	30	30	32	30	34	35	36	38	38	34	35	32	40	U 32	U 31	U 30	U 31	31	30
	CNT	30	31	31	31	31	31	31	31	30	300	35	24	28	28	28	29	31	31	30	29	31	31	31	30

SWEEP 2.33 MC TO 2.5 MC IN 3 MINUTES. DECEMBER, 1961

TABLE 21

WINNIPEG, CANADA (49.9N, 97.4W) TIME 6.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	E	19	20	21	20	E	E	E	35	45	50	46	71	73	72	72	65	57	43	33	25	E	E	E
	CNT	22	25	25	24	24	23	15	12	26	27	28	24	24	27	24	29	28	28	28	27	19	16	24	29
	UQ	24	26	25	24	24	23	22	28	31	50	62	70	73	74	76	78	70	60	47	37	27	24		
	LQ									29	47	57	63	68	70	66	64	61	49	37	28	24			
h'F2	MEQ											U 255	U 230	230	220	230	U 220								
	CNT											5	4	18	17	17	4								
h'F	MED	E	E	E	F	E	F	E	E	260	210	210	215	220	215	220	220	210	210	200	235	U 290	E	E	E
	CNT	17	17	18	15	19	18	16	9	23	26	26	26	27	27	28	29	25	27	27	23	7	3	21	21
M(3000)F2	MED									340	350	350	340	340	340	340	340	340	330	330	340				
	CNT	1	2	2		2	2	1	1	15	25	25	24	23	24	25	23	25	25	22	16	3	1	1	
foF1	MED																								
	CNT											1	1	1	1										
foE	MED										U 210	240	260	280	270	260	240	U 210							
	CNT										9	17	17	17	14	17	13	6							
h'E	MED																								
	CNT																								
foEs	MEQ																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. DECEMBER, 1961

TABLE 22

TARCHY, FRANCE (47.9N, 2.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	35	34	36	33	30	30	28	33	U 62	61	65	70	68	67	66	63	U 50	37	33	31	31	31	31	U 34
	CNT	24	23	25	24	19	20	22	25	23	25	23	16	27	27	26	27	27	26	26	26	27	27	26	24
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E	E	E	E	E	E	E	E	210	215	215	215	210	210	220	220	210	E	E	E	E	E	E	E
	CNT	270	270	270	265	255	250	250	240	215	225	215	215	210	210	220	220	210	215	240	250	250	260	270	280
	UQ	24	24	24	22	22	21	20	25	23	26	26	29	28	29	27	28	28	27	26	28	26	26	22	25
	LQ																								
M(3000)F2	MED	290	290	290	290	300	310	310	300	350	350	355	350	360	350	345	350	340	325	320	305	300	290	280	285
	CNT	13	15	15	14	12	14	15	13	12	17	17	14	17	13	15	18	8	18	18	19	19	17	14	12
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MED									195	230	255	U 270	270	260	240	210								
	CNT									19	15	16	21	23	27	18	21								
h'E	MEQ										115	110	110	110	110	115	120								
	CNT										11	9	12	13	20	13	1								
foEs	MED	E	E	E	E	E	E	E	E	22	27	27	30	32	31	29	22	E	E	E	E	E	E	E	E
	CNT	25	26	24	24	22	24	23	24	14	180	21	18	10	7	13	16	17	22	25	27	24	23	24	26

SWEEP DECEMBER, 1961

TABLE 23

GRAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	34	34	34	31	32	31	33	50	60	68	71	67	67	68	62	50	43	34	32	32	31	32	32
	CNT	30	31	31	31	30	29	24	30	29	30	27	28	30	26	30	31	29	29	28	24	24	28	27	28
	UQ	37	37	38	38	37	36	35	36	52	62	73	77	73	72	73	67	58	47	39	35	32	34	34	35
	LQ	32	31	31	31	24	29	29	32	47	56	63	66	60	63	60	58	49	37	31	30	30	31	31	31
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MEQ																								
	CNT																								
h'E	MEQ																								
	CNT																								
foEs	MEQ		U	U											E	U				U	J	J			
	CNT	31	24 31	22 31	31	31	30	27	31	31	30 300	31	31	31 30	29 30	35 31	31	31	29	30 29	25 26	49 29	30	29	29

SWEEP 2.0 MC TO 23.0 MC IN 15 SECONDS. DECEMBER, 1961

TABLE 24

WAKKANAI, JAPAN (45.4N, 141.7E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	33	33	33	33	30	31	29	42	56	65	73	75	70	67	63	58	51	37	30	30	29	28	30	32
	CNT	29	29	29	29	29	30	30	31	30	30	30	31	31	31	31	31	31	31	31	31	31	29	28	28
	UQ	36	36	36	35	35	36	33	47	63	70	80	81	77	73	70	62	60	44	35	33	34	32	36	36
	LQ	30	30	30	30	30	28	26	38	52	60	68	68	64	63	58	56	46	33	26	27	26	26	28	30
h'F2	MEQ									520	360	255	250	245											
	CNT									1	1	3	4	1											
h'F	MEQ	310	300	285	270	280	260	260	225	200	225	220	230	225	230	230	220	220	230	260	270	270	310	335	320
	CNT	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31
M(3000)F2	MEQ	290	295	295	300	295	310	320	335	355	345	345	345	350	350	350	350	335	335	315	320	320	300	285	290
	CNT	29	29	29	29	29	30	30	31	30	30	30	31	31	31	31	31	31	31	31	31	31	29	28	28
foF1	MEQ									330	370	370	390												
	CNT									1	1	1	2												
foE	MED									210	240	265	275	275	255	230	215								
	CNT									7	24	27	27	28	27	20	1								
h'E	MEQ																								
	CNT																								
foEs	MEQ	F	E	E	E	E	E	E	E			G	G	G	G	G		E	E	E	E	E	E	E	E
	CNT	31	31	31	31	31	31	30	15	26 12	24 290	28	24	29	27	25	23 5	22	30	30	31	31	29	31	31

SWEEP 1.0 MC TO 18.0 MC IN 1 MINUTE. DECEMBER, 1961

TABLE 17

DE BILT, NETHERLANDS (52.1N, 5.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	31	30	27	23	23	21	27	45	58	65	65	64	65	63	57	45	36	28	25	24	23	26	29
	CNT	27	27	27	28	26	30	29	30	31	31	31	31	31	30	30	30	30	30	28	27	26	28	26	28
	UQ	31	33	33	31	27	27	25	30	52	62	68	71	70	72	69	59	50	38	30	27	27	25	29	31
	LQ	27	27	27	24	20			24	42	54	58	61	61	60	60	52	40	31	24	20	22	23	23	24
h'F2	MED										U 270	220	230	225	220	235	U 240								
	CNT										1	12	17	23	18	6	1								
h'F	MED	300	290	290	290	290	275	270	280	225	220	220	225	225	225	225	215	220	230	260	285	285	300	300	300
	CNT	28	29	28	27	25	23	22	30	31	31	29	30	30	30	30	30	30	30	27	26	26	27	26	27
M(3000)F2	MED	290	295	290	290	300	305	320	300	335	345	340	345	345	340	340	345	325	320	315	305	305	290	285	290
	CNT	24	24	23	21	21	20	19	27	31	31	31	30	30	30	30	30	30	30	26	23	22	24	21	20
foF1	MED											U 300	U 340	U 330	U 290	U 260									
	CNT											3	3	4	2	2									
foE	MED									190	210	230	240	240	230	210	190								
	CNT									27	22	26	24	22	25	22	20								
h'E	MED									E							E								
	CNT									31	138 13	126 16	128 17	126 18	130 15	140 15	28								
foEs	MED																								
	CNT																								

SWEEP 1.8 MC TO 18.0 MC IN 4 MINUTES. DECEMBER, 1961

TABLE 18

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	292	308	318	302	276	243	25	216	338	52	63	658	693	65	665	64	527	43	335	262	255	238	26	279
	CNT	22	22	21	25	27	25	25	23	27	30	31	27	30	31	30	31	31	31	28	30	28	23	24	24
h'F2	MED												432	348	392										
	CNT												1	1	1										
h'F	MED	273	273	262	262	257	252	240	230	238	221	225	220	226	224	230	221	215	218	222	229	249	256	277	273
	CNT	26	28	30	31	30	30	26	27	29	30	29	28	30	30	30	31	31	30	23	23	25	20	23	24
M(3000)F2	MED	288	289	291	294	296	298	316	315	320	347	351	350	351	345	340	342	348	328	322	315	310	292	283	287
	CNT	21	21	21	23	26	24	24	22	25	30	31	27	29	31	30	30	31	31	26	29	26	22	23	21
foF1	MED												360	360	355										
	CNT												1	1	1										
foE	MED								E	E		180	215	245	245	224	194	160	E	E					
	CNT								1	23	7	14	13	18	22	18	16	7	14	1					
h'E	MED								E	E	E		110	110				E	E	E					
	CNT								1	29	8	4	3	1	1			13	15	1					
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. DECEMBER, 1961

TABLE 19

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	32	33	29	26	28	25	30	47	60	64	69	65	66	65	58	48	37	29	27	27	27	30	30
	CNT	29	26	27	27	27	26	27	28	27	28	26	26	23	24	23	22	26	28	26	27	28	27	28	28
	UQ	34	36	36	34	30	30	30	32	52	63	70	73	72	71	70	62	50	42	33	31	28	29	31	34
	LQ	30	29	27	23	20	21	20	27	43	56	61	61	61	60	61	56	42	32	26	25	23	23	24	26
h'F2	MED											320	238	245	318										
	CNT											2	4	4	2										
	UQ												285	308											
	LQ												230	240											
h'F	MED	265	262	262	260	250	244	230	240	220	220	228	225	218	230	225	220	210	222	232	U 240	U 250	U 262	290	275
	CNT	29	28	28	27	27	26	27	28	27	28	26	26	23	24	23	24	26	28	27	27	28	26	27	28
	UQ	292	275	270	268	265	260	250	260	225	225	235	230	230	235	230	224	220	238	252	285	298	305	300	296
	LQ	250	255	255	250	245	240	225	230	210	215	215	220	210	220	225	215	205	220	225	240	248	255	280	270
M(3000)F2	MED	291	297	296	297	300	318	324	320	364	376	366	372	372	362	355	366	359	334	328	318	306	288	288	296
	CNT	29	28	27	27	27	26	26	28	27	28	26	26	23	24	23	22	26	28	26	27	28	26	27	28
	UQ	303	303	311	311	307	326	335	332	376	389	384	378	382	370	372	372	367	342	335	331	316	300	300	306
	LQ	285	289	290	286	292	300	309	310	355	362	351	358	351	350	348	359	347	317	310	295	294	281	275	284
foF1	MED											360	360	360	350										
	CNT											1	1	1	1										
foE	MED								E 130	150	195	230	240	245	230	208	172	E 160							
	CNT								6	18	19	18	14	19	19	22	12	18							
h'E	MED								131	U 125	E 121	116	116	E 121	E 121	E 129	E 141	E 159							
	CNT								2	19	24	24	24	22	22	22	12	1							
foEs	MED	E 12	14	E 11	E	E	E 13	E 12	E 13	18	24	27	28	26	24	G	18	18	E 16	E 16	E 16	E 16	E 16	E 16	E 14
	CNT	29	28	28	27	27	27	28	28	27	270	27	26	23	24	23	24	26	28	27	27	28	28	28	23

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. DECEMBER, 1961

TABLE 20

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	34	33	29	29	27	28	42	55	65	69	70	69	65	63	53	40	34	29	29	27	29	32	32
	CNT	28	29	29	28	25	24	25	29	28	27	27	28	27	27	28	30	30	30	25	25	22	27	27	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	270	255	250	250	240	230	240	205	205	210	215	215	220	215	205	200	205	225	240	250	265	295	275	270
	CNT	27	29	28	27	25	24	26	29	29	30	30	30	29	29	29	30	29	30	26	25	24	26	27	20
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED		E 20	E	E	E	E 28		E 20	E 21	28	28	E 27	E 27	E 23	E 21	20		31	38		32	20		
	CNT		17	28	28	27	16	5		11	25	290	27	28	19	24	23	13	7	6	2	4	4	2	3

SWEEP 1.0 MC TO 18.0 MC. DECEMBER, 1961

WINNIPEG, CANADA (49.4N, 97.4W)

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	E	[illegible]	[illegible]	[illegible]	[illegible]	F	E	E	30	45	60	65	71	73	72	70	65	57	43	33	25	E	E	E
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	13	25	27	26	[illegible]	28	27	28	29	28	28	28	27	19	15	24	23
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	31	35	35	35	[illegible]	79	77	78	70	60	45	33	27	24		
	LQ									28	47	57	43	[illegible]	71	66	64	61	49	37	28	24			
h'F2	MED											U 235	U 240	240	240	230	U 235								
	CNT											4	4	14	11	11	4								
h'F	MED	E	E	E	F	F	F	E	E	260	210	215	215	220	215	220	220	210	210	220	235	U 290	E	E	E
	CNT	17	17	16	17	14	19	15	4	23	26	26	26	27	27	28	29	25	27	27	23	7	9	21	21
M(3000)F2	MED									340	350	350	340	340	340	340	340	340	330	330	340				
	CNT	1	2	1		2	2	1	1	15	25	25	24	23	24	25	23	25	25	24	16	1	1	1	
foF1	MED											1	1	1	1										
	CNT																								
foE	MED										U 210	240	260	280	270	260	240	U 210							
	CNT										9	17	17	17	14	17	13	5							
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN [illegible] SECONDS. DECEMBER, 1961

TARCHI, FRANC (47.3N, 3.1E) TIME 0.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	35	35	33	[illegible]	40	26	33	[illegible]	61	65	70	68	67	64	63	50	37	33	31	31	31	31	U 34
	CNT	21	[illegible]	[illegible]	22	10	20	[illegible]	24	23	25	23	26	27	27	26	27	27	26	26	28	27	27	26	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E	E	E	E	E	E	E	E	215	215	215	215	210	210	220	220	210	E	E	E	E	E	E	E
	CNT	24	24	24	22	22	21	20	25	23	26	26	29	28	29	27	28	28	27	26	28	26	26	22	25
M(3000)F2	MED	290	290	290	290	300	310	310	300	350	350	355	350	360	350	345	350	340	325	320	305	300	290	280	285
	CNT	13	15	15	14	12	14	15	13	12	17	17	14	17	13	15	18	8	18	18	19	19	17	14	12
foF1	MED																								
	CNT																								
foE	MED									195	230	255	U 270	270	260	240	210								
	CNT									19	15	16	21	23	27	18	21								
h'E	MED										115	110	110	110	110	115	120								
	CNT										11	9	12	13	20	13	1								
foEs	MED	E	E	E	F	E	E	E	E	22	27	27	30	32	31	29	22	E	E	E	E	E	E	E	E
	CNT	25	26	24	24	22	24	23	24	14	180	21	18	10	7	13	16	17	22	25	27	24	23	24	26

SWEEP DECEMBER, 1961

GRAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	34	34	34	31	32	31	33	50	60	68	71	67	67	68	62	50	43	34	32	32	31	32	32
	CNT	30	31	31	31	30	27	24	30	29	30	27	28	30	26	30	31	29	29	28	24	24	28	27	28
	UQ	37	37	38	38	37	34	35	36	52	62	73	77	73	72	73	67	58	47	39	35	32	34	34	35
	LQ	32	31	31	31	29	29	29	32	47	56	63	66	60	63	60	58	49	37	31	30	30	31	31	31
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED			U	U										E	U					U	J	J		
	CNT	31	24 31	22 31	31	31	30	27	31	31	30 300	31 31	31 31	31 30	30 30	35 31	31	31	29	30 29	25 26	49 29	30	29	29

SWEEP 2.0 MC [illegible] MC IN [illegible] SECONDS. DECEMBER, 1961

WAKKANAI, JAPAN (45.4N, 141.7E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	33	33	33	30	31	29	42	56	65	73	75	70	67	63	58	51	37	30	30	29	28	30	32
	CNT	29	29	29	29	29	30	30	31	30	30	30	31	31	31	31	31	31	31	31	31	31	29	28	28
	UQ	36	36	36	35	35	36	33	47	63	70	80	81	77	73	70	62	60	44	35	33	34	32	36	36
	LQ	30	30	30	30	30	28	26	38	52	60	68	68	64	63	58	56	46	33	26	27	26	26	28	30
h'F2	MED									320	360	255	250	245											
	CNT									1	1	3	4	1											
h'F	MED	310	300	285	270	280	260	240	225	240	225	235	230	225	230	230	220	220	230	260	270	275	310	335	320
	CNT	31	31	31	31	31	31	31	31	30	30	20	31	31	31	31	31	31	31	31	31	31	31	31	31
M(3000)F2	MED	290	295	295	300	295	310	320	335	355	345	345	345	350	350	350	350	335	335	315	320	320	300	285	290
	CNT	29	29	29	[illegible]	27	30	30	31	30	3	[illegible]	31	31	31	31	31	31	31	31	31	31	29	28	28
foF1	MED									330	370	370	390												
	CNT									1	1	1	2												
foE	MED									210	240	265	275	275	255	230	215								
	CNT									7	26	27	27	28	23	20	1								
h'E	MED																								
	CNT																								
foEs	MED	F	E	E	E	E	F	F	E	G		G	G	G	G	G		E	E	F	E	E	E	E	E
	CNT	31	41	21	31	31	31	30	15	10	24 290	28	24	29	27	25	23 5	22	30	30	31	31	29	31	31

SWEEP 1.0 MC TO 18.0 MC IN 1 MINUTE. DECEMBER, 1961

TABLE 2

OTTAWA, CANADA (45.4N, 75.9W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	20	20	22	22	24	22	22	25	46	57	63	70	72	72	70	66	62	55	45	35	28	24	21	20
	CNT	27	28	27	28	30	27	28	28	30	31	31	31	31	31	31	31	31	31	30	30	30	30	26	24
	UQ	23	24	25	27	25	25	24	27	49	60	69	73	78	76	75	74	70	60	50	40	32	25	22	22
	LQ	20	20	20	20	20	20	20	24	45	54	60	65	69	69	68	62	58	50	40	32	25	21	20	20
h'F2	MED											235	250	240	250	240	225								
	CNT									1	2	18	27	27	30	25	17								
	UQ																								
	LQ																								
h'F	MED	320	320	300	300	290	290	300	270	220	220	220	205	200	210	220	230	215	210	220	240	250	285	300	330
	CNT	26	26	25	28	29	27	28	29	30	28	31	29	28	29	30	31	30	31	30	30	29	30	27	24
	UQ																								
	LQ																								
M(3000)F2	MED	U 290	U 290	U 300	U 300	U 300			U 310	340	350	340	340	340	340	340	340	330	320	320	310	310	U 310		
	CNT	8	8	5	6	5	4	4	6	22	20	27	21	21	21	21	19	22	17	16	18	12	7	4	4
	UQ																								
	LQ																								
foF1	MED												U 380	U 400	U 380	U 330									
	CNT											4	7	8	6	5									
foE	MED									180	220	260	280	280	280	260	220	190							
	CNT									18	19	16	16	18	19	21	21	21							
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 16 SECONDS. DECEMBER, 1961

TABLE 26

ROME, ITALY (41.8N, 12.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	35	35	34	36	33	29	34	56	61	68	76	77	70	68	67	61	50	37	34	32	32	32	34
	CNT	20	22	23	22	25	24	23	25	21	23	23	21	21	25	25	27	22	20	23	27	18	23	23	21
	UQ	38	41	42	40	41	39	32	37	60	66	74	81	80	78	71	75	73	67	41	37	33	37	35	35
	LQ	34	31	31	31	31	29	26	30	51	57	60	73	70	66	64	62	58	46	32	29	30	30	29	31
h'F2	MED																								
	CNT											3	2		1	2	1								
	UQ																								
	LQ																								
h'F	MED	290	265	290	260	250	240	250	250	220	220	220	225	220	220	210	220	220	210	240	250	250	260	300	300
	CNT	25	26	25	27	28	27	25	26	26	25	27	24	28	28	27	28	29	29	27	28	24	23	24	25
	UQ	300	300	305	280	270	250	275	260	230	230	240	240	230	230	230	240	240	215	250	260	250	290	315	310
	LQ	270	250	270	250	245	240	235	240	210	210	210	215	210	205	200	220	210	210	220	240	240	250	280	295
M(3000)F2	MED	285	295	290	290	305	325	310	300	345	350	335	340	345	340	335	335	345	340	315	315	310	U 305	280	270
	CNT	20	21	22	19	25	22	23	24	21	22	21	21	21	24	24	26	21	17	21	22	17	19	23	18
	UQ	300	305	300	305	315	340	325	310	350	360	350	350	350	355	345	345	350	360	350	325	335	325	285	285
	LQ	280	285	280	280	295	305	295	300	335	340	325	305	335	330	325	320	335	330	305	305	290	280	270	265
foF1	MED											3	2		1	2	1								
	CNT																								
foE	MED									200	220	250	280	290	280	270	240	200							
	CNT									7	23	22	20	24	25	25	19	15							
h'E	MED									140	120	120	120	120	120	120	120	130							
	CNT									8	23	24	24	26	26	22	15	13							
foEs	MED																								
	CNT	28	26	27	27	28	28	27	27	26	250	27	26	28	28	28	28	29	29	28	30	29	29	28	28

SWEEP 1.4 MC TO 15.0 MC IN 5 MINUTES, AUTOMATIC. DECEMBER, 1961

TABLE 27

AKITA, JAPAN (39.7N, 140.1E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	34	34	34	32	31	30	48	60	65	74	79	73	68	66	62	54	42	33	32	32	29	28	31
	CNT	23	27	28	28	27	28	29	30	29	29	29	28	29	29	29	30	30	30	29	28	28	25	23	22
	UQ	34	35	36	35	34	34	36	54	65	72	82	88	78	76	70	70	57	48	39	36	35	31	31	33
	LQ	30	30	30	30	28	28	26	44	56	58	70	74	68	66	62	58	52	40	30	30	30	26	26	29
h'F2	MED										245	250	245	245	245	245	245								
	CNT										12	14	21	20	16	8	1								
	UQ																								
	LD																								
h'F	MED	300	295	295	270	260	265	250	240	220	220	240	240	240	235	240	240	220	230	240	245	245	250	E 300	300
	CNT	28	29	28	30	27	29	30	30	29	29	29	28	29	29	29	30	30	30	30	30	30	24	25	28
	UQ																								
	LD																								
M(3000)F2	MED	285	285	290	305	300	305	315	340	365	355	345	350	350	350	350	355	350	330	335	325	320	315	280	280
	CNT	23	27	28	28	27	28	29	30	29	29	29	28	29	29	29	30	30	30	29	28	28	25	23	22
	UQ																								
	LD																								
foF1	MED										U 360	U 380	U 370	U 370	340	320	290								
	CNT										2	3	2	3	4	2	1								
foE	MED								E	220	270	290	300	300	290	260	230	E							
	CNT								6	17	19	21	21	25	22	21	19	14							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	E	E	G	28	33	33	32	30	28	G	G	E	F	F	E	E	E	E
	CNT	29	30	29	30	30	30	30	30	28	290	29	27	29	29	29	29	27	29	29	30	30	30	30	30

SWEEP 1.6 MC TO 20.0 MC IN 20 SECONDS. DECEMBER, 1961

TABLE 28

TOKYO, JAPAN (35.7N, 139.5E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	33	32	33	31	29	28	51	63	66	75	80	76	71	68	67	59	44	38	32	30	29	27	30
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ	33	34	35	34	34	33	31	57	72	77	86	86	84	82	74	70	64	49	45	38	36	32	31	31
	LQ	30	31	30	30	29	26	26	48	59	62	64	74	73	66	62	62	56	41	33	29	28	27	24	28
h'F2	MED								215	225	230	240	250	240	240	230	225								
	CNT								1	3	4	17	22	24	21	13	5								
	UQ																								
	LD																								
h'F	MED	300	300	275	255	250	255	260	210	210	225	220	205	205	210	215	215	205	205	215	240	250	255	300	310
	CNT	30	31	31	31	31	30	30	31	31	31	30	29	31	31	31	31	31	31	31	30	30	27	28	30
	UQ																								
	LD																								
M(3000)F2	MED	280	285	285	305	295	295	295	340	350	345	340	340	345	345	340	350	350	325	325	325	310	300	285	270
	CNT	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LD																								
foF1	MED												390		U 350										
	CNT												1		1										
foE	MED								200	235	270	300	310	310	300	275	240	U 210							
	CNT								6	23	27	25	24	26	26	26	25	8							
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	F	F	G	C	30	33	33	33	30	F	C	23	F	F	F	F	F	F	F
	CNT	22	23	25	25	25	12	8	7	30	310	31	31	31	31	30	29	14	13	12	22	24	18	22	28

SWEEP 1.0 MC TO 20.0 MC IN 20 SECONDS. DECEMBER, 1961

TABLE [illegible]

YAMAGAWA, JAPAN (31.2N, 130.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	30	32	32	33	24	25	35	60	68	74	78	81	81	80	76	70	62	47	34	35	36	31	28
	CNT	29	30	30	30	30	29	29	29	27	30	30	30	29	29	29	28	30	30	30	30	30	30	30	30
	UQ	31	32	34	34	37	30	26	41	65	80	86	90	84	90	88	86	77	66	54	46	39	36	36	31
	LO	26	28	29	29	31	27	23	33	56	64	68	72	73	74	70	72	66	57	43	35	32	30	26	25
h'F2	MED											255	250	255	260	255	245								
	CNT											5	16	18	14	9	2								
	UD																								
	LD																								
h'F	MED	F 350	320	300	270	250	240	280	250	230	240	230	220	225	225	220	235	230	220	220	240	250	255	270	300
	CNT	27	27	29	30	30	27	19	30	30	30	30	30	29	30	29	30	30	30	28	29	29	29	26	21
	UQ																								
	LQ																								
M(3000)F2	MED	280	285	290	295	310	315	305	320	345	350	345	340	335	335	330	340	345	350	335	325	320	310	315	295
	CNT	29	30	30	30	30	29	29	29	27	30	30	30	29	29	29	28	30	30	30	30	30	30	30	30
	UD																								
	LD																								
foF1	MED												440	430	440	420									
	CNT												2	3	5	2									
foE	MED									210	260	290	310	315	310	305	275	240							
	CNT									28	30	29	27	27	26	26	25	22							
h'E	MED																								
	CNT																								
foEs	MED	26	32	E	E	E	E	27	21	G	G	32	35	37	36	34	29	G	22	21	25	22	25	26	22
	CNT	1	3	13	30	30	10	3	3	30	300	30	30	30	30	30	30	30	19	11	8	5	3	2	1

SWEEP 1.0 MC TO 20.0 MC IN 30 SECONDS. DECEMBER, 1961

TABLE [illegible]

FORMOSA, CHINA (25.0N, 121.5E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 46	U 37	U 38	U 38	U 31	U 24	U 30	53	70	84	U 91	86	93	U 112	U 124	U 121	U 96	90	70	U 60	U 58	U 54	U 46	U 40
	CNT	18	26	28	30	25	23	8	31	31	31	31	31	30	31	31	31	31	31	31	29	31	31	26	22
	UQ	40	64	40	48	34	36	36	62	82	96	100	96	116	129	131	130	124	94	80	70	68	64	62	37
	LO	31	32	32	32	28	22	28	50	65	76	83	76	84	91	105	108	85	75	63	53	49	46	38	32
h'F2	MED									245	250	245	255	275	270	260	240	235							
	CNT									3	21	28	25	23	24	28	27	1							
	UQ																								
	LO																								
h'F	MED	E 330	U 280	U 250	U 245	U 220	E 275	E 305	235	235	230	220	210	U 200	200	220	U 220	230	210	200	U 220	240	U 235	U 240	E 275
	CNT	16	25	29	30	26	21	5	31	31	30	31	30	28	30	29	29	31	31	31	30	31	31	24	17
	UD																								
	LO																								
M(3000)F2	MED	U 275	280	305	325	340	320	U 300	345	345	350	355	335	320	320	330	330	345	345	335	305	325	U 325	320	U 320
	CNT	7	17	15	21	16	15	3	31	29	28	21	27	24	22	20	17	23	22	30	25	25	24	15	8
	UQ	290	310	315	345	360	340	310	350	355	355	365	345	335	325	335	345	350	355	355	325	330	340	335	330
	LD	270	275	290	300	320	280	290	335	340	340	340	230	310	315	320	330	340	335	325	290	310	310	305	285
foF1	MED											U 445	U 430	U 450	U 440	U 405									
	CNT											2	2	9	3	4									
foE	MED									U 275	U 290	U 315					U 290	U 230							
	CNT									1	6	3					1	1							
h'E	MED									116	U 111	U 110	E 113	E 111	E 113	E 119	E 123	E 121							
	CNT									2	20	20	6	1	3	1	3	3							
foEs	MED										30	33	38	37	35	33	28	30	26						
	CNT	30	29	30	30	27	24	18	16	21	310	29	30	31	31	30	31	30	25	31	31	31	31	31	30

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1961

TABLE 31

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	45	46	41	32	23	23	56	74	86	92	96	97	101	110	120	120	121	110	80	73	66	59	46
	CNT	20	20	17	18	16	16	17	15	13	12	14	15	17	17	17	16	16	18	17	21	20	20	20	21
	UD																								
	LD																								
h'F2	MED									240	245	245	255	270	288	280	255	245	225						
	CNT									15	13	15	17	19	18	18	17	19	19						
	UQ																								
	LD																								
h'F	MED	300	300	250	233	225	240	273	240	235	230	220	220	223	243	235	235	240	225	213	208	225	225	225	233
	CNT	17	17	15	16	16	16	16	15	15	13	13	18	18	16	18	16	18	17	16	20	20	19	20	20
	UQ																								
	LD																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									390	440	450	470	460	480	470	430	390							
	CNT									2	12	14	17	18	16	15	15	10							
foE	MED								150	220	270	320	330	340	330	320	290	250	180	205					
	CNT								2	15	10	12	15	15	16	15	16	16	13	4					
h'E	MED								123	115	110	110	105	105	110	108	110	120	128	110					
	CNT								2	15	13	15	15	14	16	16	17	17	12	4					
foEs	MED	E	E	15	F	E	E	12	C	G	G	G	C	G	G	G	C	G	C	28	24	15	16	15	E
	CNT	17	17	15	15	16	16	17	14	15	130	15	16	18	19	18	17	18	15	14	10	10	13	1	13

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. DECEMBER, 1961

TABLE 32

BAGUIO, LUZON (16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	48	47	37	30	23	30	63	80	101	102	106	101	100	100	102	100	98	95	88	82	78	73	61
	CNT	30	27	27	25	26	22	26	30	30	30	28	31	31	31	29	30	31	29	30	31	30	30	31	30
	UD	59	53	53	50	33	27	36	65	93	108	108	113	110	105	109	108	109	106	99	92	87	90	83	68
	LD	45	38	37	34	25	21	27	57	95	89	93	99	95	92	95	97	98	93	89	80	73	70	60	55
h'F2	MED									280	300	305	325	330	340	335	315	270							
	CNT									14	26	25	28	22	17	18	16	9							
	UO																								
	LQ																								
h'F	MED	260	260	260	240	250	300	310	260	250	230	230	220	220	215	220	230	250	255	245	240	245	255	245	250
	CNT	31	30	30	30	26	22	27	30	30	27	24	24	22	25	19	22	29	30	31	31	31	31	31	30
	UD																								
	LQ																								
M(3000)F2	MED	315	310	315	330	315	300	290	320	320	320	315	295	280	265	275	285	300	310	320	315	300	315	320	325
	CNT	20	26	26	26	21	18	24	30	29	28	28	30	27	27	24	25	26	25	27	27	28	28	30	30
	UD	325	315	325	340	320	315	300	335	330	330	325	310	295	275	290	300	305	320	325	330	320	325	335	335
	LD	290	295	295	315	305	295	285	315	310	315	300	280	240	250	265	275	295	305	310	305	290	300	315	305
foF1	MED										U 430	U 450	470	U 460	U 460										
	CNT										1	5	14	11	4										
foE	MED								230	U 260	305	U 330	U 340	U 335	U 335	U 330	310	260							
	CNT								4	10	14	10	7	3	5	3	5	2							
h'E	MED								159	121	121	123	121	121	123	125	E 129	128							
	CNT								3	16	16	15	17	7	6	2	2	2							
foEs	MED															37	30	30	27	23	22				
	CNT	31	31	31	31	31	29	30	30	30	300	30	30	31	31	28	29	31	31	31	30	31	31	31	31

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1961

TABLE 33

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 58	U 52	U 52	U 45	3[illegible]	3[illegible]	[illegible]	75	U 86	U 88	U 82	U 80	U 82	84	U 82	U 84	U 86	U 82	74	U 74	[illegible]	64	[illegible]	J [illegible]
	CNT	19	18	14	16	18	15	18	18	18	20	20	17	17	18	17	19	18	17	18	18	18	18	18	1[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED									J 420	J 460	J 470	J 470	J 490	J 480	460	J 43[illegible]								
	CNT									1	[illegible]	9	10	10	10	[illegible]	1								
foE	MED							175	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U 37	[illegible]	U [illegible]	395	[illegible]	195	J 140					
	CNT							18	14	18	19	15	[illegible]	7	1[illegible]	14	14	15	11	5					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible]

TABLE 34

LEOPOLDVILLE, CONGO (4.4S, 15.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	61	74	[illegible]	44	47	50	58	66	U 69				U [illegible]	111	113	110	11[illegible]				U 123	125	83	67
	CNT	21	21	21	26	26	25	24	17	8	4	1	1	4	12	15	13	11	3	2		6	15	16	18
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	264	275	28[illegible]	[illegible]	30[illegible]	[illegible]	[illegible]	283	U 257	U 254			U 243	248	250	250	249				U 274	298	307	274
	CNT	20	20	25	24	26	26	24	17	7	5	1	1	6	12	20	14	10	3	2		7	15	16	17
	UQ																								
	LQ																								
foF1	MED									440	450	U 4[illegible]3			J 440	410									
	CNT								2	11	10	7	2	4	8	11	1								
foE	MED							U 250	U 300	U 3[illegible]0	U 353				U 350	U 310	U 280								
	CNT						2	8	9	8	8	3	1	2	5	5	5	3							
h'E	MED						145	115	110	110	110	110	110	110	110	11[illegible]	110	U 120							
	CNT						17	17	22	2[illegible]	24	18	14	15	17	1[illegible]	15	8							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS.

TABLE 35

RAROTONGA, COOK I. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	7[illegible]	72	68	64	63	64	65	[illegible]	74	84	[illegible]5	[illegible]	111	116	115	120	117	J 110	84	80	81	83	84	82
	CNT	18	16	17	16	17	21	26	24	29	30	[illegible]	[illegible]	31	30	29	26	28	21	14	18	21	1[illegible]	11	17
	UQ																								
	LQ																								
h'F2	MED						370	[illegible]	[illegible]	300	[illegible]	340	340	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]	250					
	CNT						1	[illegible]	17	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	4					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]40	250	260	[illegible]	200	[illegible]	230
	CNT	[illegible]	28	[illegible]	[illegible]	24	[illegible]	24	28	23	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	7	[illegible]	[illegible]	28	[illegible]	28
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U [illegible]	[illegible]	[illegible]	285	295	290	300
	CNT	1[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	30	[illegible]	[illegible]	[illegible]	[illegible]	1[illegible]	18	1[illegible]	1[illegible]	11	17
	UQ																								
	LQ																								
foF1	MED								4[illegible]	U 460	47[illegible]	[illegible]	[illegible]	460	[illegible]	480	[illegible]	U [illegible]							
	CNT								[illegible]	8	1[illegible]	1[illegible]	23	[illegible]	4	18	1[illegible]	[illegible]							
foE	MED		E	F	E	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	470	470	460	350	[illegible]	[illegible]	24[illegible]	E	E	E			
	CNT		1	3	3	4	7	1[illegible]	1[illegible]	1[illegible]	11	[illegible]	21	[illegible]	27	[illegible]	[illegible]	[illegible]	8	2	4	3			
h'E	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11[illegible]					
	CNT					1	[illegible]	27	[illegible]	[illegible]	[illegible]	28	[illegible]	30	[illegible]	[illegible]	24	[illegible]	24	1[illegible]					
foEs	MED	J [illegible]	J [illegible]	J [illegible]	J 33	[illegible]	J [illegible]	J 39	J [illegible]	J [illegible]	J [illegible]	J [illegible]	J [illegible]	53	61	J 48	J 54	J [illegible]	34	[illegible]	J [illegible]	J [illegible]	J 34	J 41	J 41
	CNT	[illegible]	[illegible]	28	[illegible]	28	[illegible]	[illegible]	[illegible]	30	[illegible]	27	[illegible]	26	26	29	[illegible]	[illegible]	29	18	21	26	[illegible]	24	24

SWEEP [illegible]

TABLE 36

JOHANNESBURG, UNION OF S. AFRICA (26.1S, 28.1E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	48	45	41	4[illegible]	40	52	60	68	76	82	90	[illegible]2	92	[illegible]2	[illegible]1	90	88	82	71	68	61	53	49
	CNT	31	31	31	31	31	31	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
h'F2	MED							250	260	345	[illegible]	335	340	330	[illegible]	[illegible]	325	[illegible]	275	25[illegible]					
	CNT							6	8	22	28	30	30	30	31	31	31	31	2[illegible]	27					
	UQ																								
	LQ																								
h'F	MED	250	330	270	[illegible]	2[illegible]	250	230	[illegible]	[illegible]	[illegible]	[illegible]	200	195	200	200	210	210	215	225	230	240	240	240	U 235
	CNT	2	1	4	[illegible]	[illegible]	25	24	2[illegible]	[illegible]	28	[illegible]	17	13	17	18	17	22	19	17	23	8	6	4	1
	UQ																								
	LQ																								
M(3000)F2	MED	285	[illegible]	[illegible]	[illegible]	[illegible]	31[illegible]	32[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	280	280	280	285	295	300	315	310	295	300	295	285
	CNT	31	31	31	31	1	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	30	30	31	31	31	31	31	31	31	31	31	31	31
	UQ																								
	LQ																								
foF1	MED							[illegible]30	400	[illegible]	[illegible]	[illegible]	460	[illegible]	420	[illegible]	[illegible]	430	400	U 340					
	CNT							3	5	1[illegible]	29	4	24	[illegible]	1	[illegible]	29	30	2[illegible]	1					
foE	MED						E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	360	360	[illegible]	330	310	[illegible]	210	160				
	CNT						1[illegible]	1[illegible]	21	[illegible]	[illegible]	7	22	17	17	17	17	18	16	12	3				
h'E	MED																								
	CNT																								
foEs	MED	E 14	1[illegible]	1[illegible]	1[illegible]	1[illegible]	1[illegible]	24	41	[illegible]	37	38	40	40	[illegible]	[illegible]	37	35	30	24	16	16	14	E 15	E 14
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	23	2[illegible]	[illegible]	[illegible]	30	28	28	[illegible]	[illegible]	[illegible]	25	28	27	27	27	26	2[illegible]	27

SWEEP 1.0 MC TO 15.0 MC IN 1 MINUTE 30 SECONDS.

BRISBANE, [illegible] (27.5S, 153.0E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	58	57	47	44	48	[illegible]	55	[illegible]	[illegible]	72	[illegible]	83	84	83	84	86	86	78	70	66	63	66	U [illegible]
	CNT	24	27	29	24	30	[illegible]	[illegible]	24	[illegible]	28	28	[illegible]	[illegible]	28	29	30	[illegible]	29	28	27	28	28	24	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	295	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	300	310	[illegible]	280	275	275	270
	CNT	29	24	29	[illegible]	30	30	28	28	26	27	27	[illegible]	[illegible]	29	[illegible]	40	[illegible]	28	28	26	26	25	[illegible]	18
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 15 SECONDS. DECEMBER, 1961

[illegible] TIME 120.[illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	47	42	[illegible]	37	[illegible]	47	53	58	60	62	67	70	[illegible]	74	[illegible]	74	74	73	70	62	58	U 52	U 52
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	31	25	25	24	28	27	[illegible]	[illegible]	[illegible]	[illegible]	31	31	28	26	25	26	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E [illegible]	E [illegible]	E [illegible]	E [illegible]	E [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E 235	E 250	E 270	E 280
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	26	26	26
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	290	290	[illegible]	[illegible]	300	300	[illegible]	305	320	320	310	300	295	295
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	23	[illegible]	26	30	29	[illegible]	30	31	30	26	25	21	24	27
	UQ																								
	LQ																								
foF1	MED								400	440	450	470	470	480	470	460	450	430	410						
	CNT								[illegible]	10	12	12	17	14	17	18	21	23	21	3					
foE	MED						E	[illegible]	[illegible]	300	320	340	350	355	350	350	330	310	275	220					
	CNT						14	27	[illegible]	[illegible]	26	26	27	27	28	28	28	27	27	24	2				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO [illegible] MC IN 18 SECONDS. DECEMBER, 1961

CAPETOWN, UNION OF S. AFRICA (34.1S, 18.[illegible]) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	42	41	41	40	38	[illegible]	57	66	[illegible]	77	[illegible]	84	86	84	84	80	[illegible]	74	72	69	61	52	47
	CNT	25	25	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	24	24	[illegible]	24	24	24	24	24	25	25	25	25	25
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	255				
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	24	24	24	24	21	[illegible]				
	UQ																								
	LQ																								
h'F	MED					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	240	250
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	6	2
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	275	280	280	[illegible]	[illegible]	[illegible]	[illegible]	315	315	305	300	295
	CNT	25	25	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	24	24	24	24	24	24	24	25	25	25	25	25
	UQ																								
	LQ																								
foF1	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E 160			
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	4			
h'E	MED																								
	CNT																								
foEs	MED	20	20	16	E 14	E 15	14	[illegible]	28	32	[illegible]	38	[illegible]	40	40	40	37	35	31	27	21	19	16	19	18
	CNT	25	25	24	23	24	[illegible]	25	25	25	[illegible]	22	23	18	22	24	24	23	23	23	23	18	24	24	25

SWEEP 1.0 MC TO 17.0 MC IN 7 SECONDS. DECEMBER, 1961

TABLE [illegible]

CANBERRA, AUSTRALIA (35.3S, 149.0E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	59	56	[illegible]	43	[illegible]	41	50	54	56	U [illegible]	U 64	[illegible]	56	66	66	66	[illegible]	71	71	71	67	61	60	U 61
	CNT	[illegible]	[illegible]	28	26	27	28	[illegible]	[illegible]	22	[illegible]	[illegible]	19	[illegible]	[illegible]	21	24	27	28	[illegible]	28	27	28	27	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	310	290	285	290	300	[illegible]	300	300	310	310	320	300	290	290	280
	CNT	14	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	12	14	12	[illegible]	[illegible]	17	19	[illegible]	24	22	17	10	9	10	13
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. DECEMBER, 1961

TABLE 41

HOBART, TASMANIA (42.9S, 147.2E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 45	D 45	U 42	36	34	41	D 45	D 45	D 45	U 61	65	U 66	65	66	U 65	U 65	65	66	D 62	D 60	D 58	D 50	D 48	D 48
	CNT	20	21	23	21	21	18	22	19	13	12	10	10	13	11	10	13	15	22	22	24	22	23	19	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UD																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LD																								
M(3000)F2	MED	320	330	330	325	320	350	350		350	330	340	330	330	320	325	325	330	330	335	340				
	CNT	6	6	11	12	13	10	6	4	5	8	7	7	4	7	6	7	11	13	10	7	2	3	3	1
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE ES ECONOM. DECEMBER, 1961

TABLE 42

CHRISTCHURCH, NEW ZEALAND (43.6S, 172.8E) TIME 180.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	59	56	48	42	40	46	53	60	60	62	62	63	64	65	63	64	67	70	72	73	71	69	63
	CNT	26	28	29	23	26	27	26	25	24	22	22	23	29	30	27	29	30	27	28	29	26	28	28	27
	UQ																								
	LQ																								
h'F2	MED							U 310	330	320	310	320	350	330	330	340	330	320	310	290	U 270				
	CNT							1	6	13	17	18	21	24	25	23	28	23	19	11	3				
	UD																								
	LD																								
h'F	MED	U 270	270	250	250	250	250	250	230	U 230	220	210	220	200	200	210	200	210	230	230	260	250	250	250	250
	CNT	18	14	15	16	14	18	19	7	3	6	7	9	13	19	16	12	19	17	8	11	20	20	18	12
	UQ																								
	LQ																								
M(3000)F2	MED	275	275	275	285	290	300	310	305	310	310	305	290	300	295	295	290	290	290	290	295	300	285	280	270
	CNT	26	29	28	23	25	28	26	24	22	20	21	23	28	30	28	29	30	27	28	29	26	28	28	27
	UQ																								
	LQ																								
foF1	MED							U 360	U 390	U 420	450	460	480	480	470	470	470	450	U 420	U 400					
	CNT							2	3	2	7	11	18	16	19	16	18	11	3	1					
foE	MED						160	220	U 260	U 310	U 320			U 350	U 350	U 350	U 340	320	300	U 250	U 210				
	CNT						7	6	2	2	1			1	3	4	4	6	6	1	1				
h'E	MED						100	110	105	100	100	100	100	100	100	100	100	100	100	100	105	U 105			
	CNT						12	18	28	27	25	25	25	28	28	23	25	28	29	28	23	2			
foEs	MED	32	32	30	26	27	28	32	40	49	51	51	51	43	42	47	42	37	38	38	41	41	40	34	38
	CNT	30	30	30	30	28	30	30	30	29	290	32	28	30	31	29	28	30	30	30	30	30	30	30	30

SWEEP DECEMBER, 1961

TABLE 43

FALKLAND IS. (51.7S, 57.8W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	70	71	72	76	81	80	85	87	84	8[illegible]	81	76	72	[illegible]	72	[illegible]	74	76	76	74	76	74	76
	CNT	20	20	21	23	24	25	25	27	24	24	20	25	26	28	27	25	21	25	26	26	27	26	27	23
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	275	270	290	280	275	275	275	285	280	280	295	290	290	295	310	290	290	295	300	305	295	290	280	280
	CNT	14	19	19	17	17	17	1	17	22	22	1	19	22	19	24	23	19	22	24	24	23	20	16	18
	UQ																								
	LQ																								
foF1	MED							390	430	460	470	470	480	470	470	450	460	450	420	390					
	CNT							4	7	10	9	9	13	11	10	14	10	2	2	1					
foE	MED	140				170	200	215	230	320	325	340	340	305	295	340	310	285	270	245	140	140	95		
	CNT	1				8	6	2	8	7	6	4	3	4	1	2	8	4	4	2	4	1	1		
h'E	MED																								
	CNT																								
foEs	MED	J 25	J 28	J 24	J 21	20	J 26	J 34	J 41	J 46	J 50	J 59	J 63	J 50	J 50	J 46	J 51	J 62	J 46	J 46	J 38	J 40	J 30	J 24	J 25
	CNT	22	20	20	20	26	27	27	27	27	270	27	27	26	28	24	28	29	28	28	28	26	25	22	21

SWEEP DECEMBER, 1961

TABLE 44

KIRUNA, SWEDEN (67.8N, 20.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	21	23	29	29	27	24	23	25	32	45	53	60	50	49	56	44	36	30	28	25	26	28	26	28
	CNT	6	11	12	17	16	14	13	15	21	21	22	24	25	26	24	22	14	18	15	8	8	10	8	6
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	U 245	U 245	250	245	275	265	275	260	240	225	215	220	215	215	210	210	200	U 230	265	255	270	295	310	305
	CNT	14	1	1	1	18	14	16	13	21	21	27	22	24	19	14	22	25	13	17	13	9	14	12	12
	UQ																								
	LQ																								
M(3000)F2	MED	290	290	300	300	300	300	320	310	320	350	360	360	360	360	360	360	340	340	320	320	320	305	290	290
	CNT	7	9	11	14	1	22	22	17	21	22	21	22	24	25	24	21	19	16	14	7	5	8	7	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	35	32	34	32	37	32	32	35	31	15	28					29	40	36	37	43	46	32	38	38
	CNT	14	16	14	15	14	8	7	2	6	160	18	18	20	14	19	15	7	11	8	8	15	13	17	18

SWEEP 0.8 MC TO 15.0 MC IN 30 SECONDS. NOVEMBER, 1961

TABLE 46

CHURCHILL, CANADA (58.8N, 94.2W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	31	28	32	36	37	35	32	37	49	60	64	69	74	72	74	70	54	44	36	37	35	34	31
	CNT	21	21	21	17	16	16	13	16	43	28	28	30	30	30	29	29	29	28	29	29	29	26	21	19
	UQ	36	34	34	37	41	42	38	37	43	52	64	72	77	82	82	77	73	60	48	42	42	38	40	33
	LQ	28	28	25	27	34	34	28	26	33	46	53	57	62	67	64	68	56	44	36	32	32	29	31	27
h'F2	MED												U 270	U 270	U 270										
	CNT											3	8	11	9	5	1								
h'F	MED	295	310	290	300	32	325	330	310	280	250	240	235	230	235	235	235	230	250	290	280	300	290	290	250
	CNT	14	14	11	13	11	13	10	10	22	25	24	25	29	28	28	28	29	26	25	23	23	19	17	11
M(3000)F2	MED				U 300			U 310	U 300	320	320	330	330	320	320	320	330	330	320	310	300	U 300	U 320	U 300	
	CNT	4	4	2	5	3	4	7	7	17	24	23	23	28	27	25	21	25	20	16	12	9	6	5	2
foF1	MED												1		1										
	CNT																								
foE	MED									U 180	200	230	230	240	230	220	200	160							
	CNT				1					5	14	19	21	21	21	22	20	15	2						
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 17.0 MC IN 16 SECONDS. NOVEMBER, 1961

TABLE 47

INVERNESS, SCOTLAND (57.4N, 4.2W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 21	U 20	U 21	20	18	U 17	17	U 18	33	52	62	67	69	71	67	64	54	45	U 39	29	U 26	U 24	U 22	U 21
	CNT	6	10	8	12	12	15	15	15	21	21	21	21	20	20	20	20	21	18	21	18	14	15	9	7
h'F2	MED												225	230	225										
	CNT												2	2	2										
h'F	MED	300	300	290	300	300	F 300	260	240	230	215	215	215	215	210	220	215	210	230	225	250	260	290	300	300
	CNT	16	18	17	20	9	9	8	9	21	21	21	21	20	20	20	20	21	20	21	18	16	19	13	10
M(3000)F2	MED		280	280	270	270	295	275	300	330	335	330	340	345	345	345	345	330	310	320	310	300	290		
	CNT		1	2	5	4	1	2	3	9	15	15	17	19	17	16	13	12	11	9	6	1	3		
foF1	MED																								
	CNT																								
foE	MED								175	165	180	225	230	230	225	210	190	160							
	CNT								1	3	15	13	16	20	17	12	14	3							
h'E	MED									160	140	125	120	125	130	135	150	145							
	CNT									2	6	7	8	10	9	8	4	1							
foEs	MED	E 13	E 11	E 11	E 11	E 11	E 14	E 14	E 16	21	24	25	25	24	24	23	22	19	E 17	E 15	E 16	E 16	E 16	E 16	E 16
	CNT	17	21	19	19	12	19	18	19	21	210	20	21	19	19	19	20	21	18	14	20	21	20	20	20

SWEEP NOVEMBER, 1961

TABLE 48

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	29	28	29	25	23	22	30	48	60	70	77	77	76	76	69	59	47	43	35	29	27	28	29
	CNT	26	25	27	22	27	28	29	29	28	27	21	24	26	24	25	26	27	28	29	27	28	27	27	24
h'F2	MED																								
	CNT																								
h'F	MED	295	290	290	285	285	270	275	250	225	220	225	225	220	220	220	215	215	215	230	235	245	280	295	280
	CNT	26	27	26	26	26	28	25	29	29	28	25	27	27	27	28	28	28	28	29	27	27	25	23	21
M(3000)F2	MED	290	290	285	285	290	300	310	320	345	340	345	340	345	345	340	350	345	340	335	325	325	300	290	290
	CNT	23	25	26	22	26	28	28	29	28	22	16	18	18	19	16	17	26	28	28	27	27	26	25	21
foF1	MED																								
	CNT																								
foE	MED									180	225	250	255	255	255	240	205	170							
	CNT									11	9	10	10	13	15	18	13	2							
h'E	MED																								
	CNT																								
foEs	MED	20	22	22	23	20	24	22	25	19	24	26	26	G	G	G	G	22	23	23	23	23	23	25	25
	CNT	6	4	3	6	7	2	4	5	21	230	22	21	17	17	22	26	18	19	16	8	3	4	5	6

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS. NOVEMBER, 196

TABLE 49

DE BILT, NETHERLANDS (52.1N, 5.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	32	32	30	27	23	23	43	62	64	72	80	78	72	72	68	53	46	38	32	31	30	29	31
	CNT	29	28	27	28	28	29	29	30	30	30	30	30	30	30	30	30	30	30	30	29	28	27	29	30
	UQ	35	36	37	34	30	27	28	47	60	73	83	86	81	85	78	88	61	51	47	42	37	34	33	33
	LQ	28	28	26	23	21	21	22	37	57	61	68	73	69	66	66	70	50	39	35	28	25	24	26	29
h'F2	MEQ									U	U	U			U	U									
	CNT									250	220	230	240	230	225	250									
	UQ									1	1	5	13	16	9	1									
	LQ										2														
h'F	MEQ	300	300	300	300	U	E	E		220	220	225	220	225	225	230	220	215	240	250	265	265	U	E	300
	CNT	30	29	28	29	290	300	300	230	30	30	30	30	30	29	30	30	30	30	30	29	29	300	300	29
	UQ					29	29	29	30														27	27	
	LQ																								
M(3000)F2	MED	280	290	290	295	305	310	315	325	345	340	340	345	345	340	340	340	335	320	320	315	310	295	285	285
	CNT	25	24	25	21	21	20	18	29	30	30	30	30	30	29	30	30	30	30	29	26	24	23	25	26
	UQ																								
	LQ																								
foF1	MEQ												U	U	U										
	CNT												370	370	330										
													2	1	2										
foE	MEQ								U									E							
	CNT								190	200	240	260	280	260	260	220	200								
									2	21	15	15	23	21	22	15	15	2							
h'E	MEQ								E	E						U	E	E							
	CNT								4	12	122	123	121	130	140	140	3	3							
											8	8	10	11	8	4									
foEs	MED																								
	CNT																								

SWEEP 1.8 MC TO 18.0 MC IN 4 MINUTES. NOVEMBER, 1961

TABLE 50

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	34	33	33	30	25	25	44	63	66	72	80	81	72	73	65	60	46	42	35	34	31	33	33
	CNT	27	27	27	27	27	27	26	25	25	26	26	26	27	23	23	25	25	26	25	27	28	27	27	27
	UQ	37	38	37	36	33	31	30	49	65	69	82	88	83	83	77	74	64	52	46	43	38	36	36	35
	LQ	30	30	28	27	22	23	24	39	56	61	68	74	70	64	68	64	54	39	36	30	27	27	29	30
h'F2	MED									295		245	248	248	240										
	CNT									1		6	8	4	3										
	UQ											270	262	265	248										
	LQ											240	242	238	235										
h'F	MEQ	280	270	280	265	250	U	228	225	220	220	220	220	220	220	230	225	215	220	235	235	246	255	272	285
	CNT	27	27	27	27	27	238	26	26	25	26	26	26	24	23	23	25	25	26	25	27	28	27	26	27
	UQ	295	300	295	285	260	250	252	240	235	225	230	230	230	230	235	230	220	230	240	250	258	280	295	292
	LQ	270	260	265	250	240	225	220	220	210	210	212	212	215	210	220	220	210	210	230	225	232	250	260	270
M(3000)F2	MED	290	292	294	297	310	317	309	360	364	368	360	360	357	354	355	362	364	340	330	324	316	300	296	290
	CNT	27	27	27	27	27	25	26	25	24	26	26	26	23	23	23	25	25	26	25	27	28	27	26	26
	UQ	297	300	300	305	318	334	334	374	376	384	375	365	370	372	358	369	370	349	335	334	328	314	305	300
	LQ	283	286	284	292	300	300	296	342	356	349	345	349	345	339	348	354	350	328	322	315	304	281	279	282
foF1	MED											315	332	330	320										
	CNT											1	4	1	1										
foE	MED								U									E							
	CNT								125	180	230	240	260	265	260	225	195	160							
									21	19	13	16	22	23	18	19	17	11							
h'E	MEQ									E		U	E	E	E	E	E	E							
	CNT								126	123	115	112	117	119	121	123	130	132							
									15	24	24	24	25	24	20	20	18	2							
foEs	MEQ	E	E			E	E	E	E					G	G	G	G								
	CNT	11		13	13		11	11	12	18	26	28	27					19	17	E 16	E 16	E 16	E 16	E 16	E 15
		27	27	27	27	27	27	27	25	25	250	25	26	23	22	23	25	25	26	25	27	28	27	27	27

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. NOVEMBER, 1961

TABLE 51

GARCHY, FRANCE (47.3N, 3.1E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	38	38	37	37	32	29	D 46	U 62	69	D 71	84	79	74	74	73	65	D 47	41	39	39	36	37	38
	CNT	27	27	27	25	26	28	28	27	28	23	24	27	26	27	23	24	25	27	30	30	28	28	26	28
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ	E 280	E 275	E 270	E 270	E 250	E 240	E 230	220	215	215	210	220	215	210	225	220	210	E 210	E 230	E 230	E 240	E 250	E 270	E 260
	CNT	29	28	28	28	28	28	27	28	28	26	24	27	26	27	24	24	29	28	29	30	29	28	28	28
	UQ																								
	LQ																								
M(3000)F2	MED	285	295	290	295	315	320	320	340	355	350	345	350	355	340	340	350	350	330	310	315	315	300	295	295
	CNT	17	15	18	16	19	22	23	13	18	13	15	21	20	24	19	17	15	17	21	19	20	18	17	14
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U									E							
	CNT								160	215	255	270	285	280	270	250	220	170							
									28	23	19	18	21	21	23	21	21	22							
h'E	MEQ									110	110	105	105	105	105	110	115								
	CNT									4	14	13	8	8	12	12	4								
foEs	MEQ	E	E	E	E	E	E	E	E										E	E	E	E	E	E	E
	CNT	28	28	29	29	23	29	27	23	24	28	31	32	30	27	28	25	20	26	30	30	30	28	29	27
										21	210	19	20	20	14	11	12	21							

SWEEP NOVEMBER, 1961

TABLE 52

GRAZ, AUSTRIA (47.1N, 15.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	39	38	37	37	34	31	46	62	70	74	81	78	74	77	74	65	50	43	40	36	32	32	34
	CNT	30	30	30	30	30	28	29	30	26	28	30	30	30	29	30	30	29	29	27	29	29	28	29	28
	UQ	40	41	41	41	41	37	33	50	70	73	80	90	87	81	86	83	71	56	47	44	41	38	34	38
	LQ	33	34	33	31	31	30	29	41	57	66	68	72	72	70	67	64	57	43	39	33	32	31	31	31
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED			U 24	U 26						32	33	31	31	31	31	U 33	U 31	U 31		J 24			J 24	
	CNT	32		30	30	30	30	30	30	30	300	30	29	29	29	30	30	30	30	28	30	29	28	30	29

SWEEP 2.0 MC TO 13. MC IN 50 SECONDS. NOVEMBER, 1961

TABLE 53

FORMOSA, CHINA (25.0N, 121.5E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 45	U 42	U 42	U 38	U 32	26	28	50	78	70	U 100	U 104	U 112	U 128	120	U 126	U 111	91	78	68	65	U 55	U 44	U 45
	CNT	28	28	29	28	29	22	25	30	33	29	29	26	29	29	29	29	29	24	24	28	29	25	28	28
	UO	50	46	40	43	36	29	41	76	83	98	117	110	128	139	138	153	136	124	93	86	84	74	59	55
	LO	37	36	33	34	26	22	32	60	72	82	94	92	96	113	114	101	86	77	63	58	54	46	42	38
h'F2	MED									U 245	265	265	270	270	280	270	245								
	CNT									7	14	21	27	21	26	26	22								
h'F	MED	U 255	U 260	250	U 245	U 230	E 250	U 260	235	235	U 230	U 210	U 215	U 215	U 220	U 220	230	230	215	210	230	230	U 240	U 255	U 270
	CNT	26	28	29	29	29	22	26	30	33	24	28	27	28	28	26	25	30	30	24	29	29	29	28	28
M(3000)F2	MED	U 295	U 300	310	320	330	295	310	350	345	330	330	320	310	320	315	330	330	335	340	305	315	U 310	U 300	290
	CNT	21	26	27	28	28	22	23	30	27	27	24	22	25	24	25	22	21	25	20	23	23	20	17	23
	UO	310	325	330	345	355	315	320	355	355	345	347	330	325	335	325	335	340	345	350	315	325	325	305	310
	LO	280	285	290	305	310	280	305	335	335	320	320	315	295	305	310	320	320	320	320	295	300	300	290	280
fo F1	MED											420	U 460	U 465	U 460	U 410									
	CNT											1	1	2	1	1									
fo E	MED									270	U 300	U 315	U 320				U 280								
	CNT									2	9	6	2				1								
h'E	MED									E 121	E 117	E 118	E 117	E 115			E 139	125							
	CNT									4	13	10	5	2			1	1							
fo Es	MED	30	30	30	30	30	25	3	25	25	32	36	38	37	37	38	35	28	24	29	29	30	30	30	30
	CNT										280	27	29	27	27	29	29	27							

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1961

TABLE 54

AHMEDABAD, INDIA (23.0N, 72.6E) TIME 75.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	40	34	36	41	36	22	30	70	91	98	102	105	115	127	130	134	130	130	107	89	87	71	53	41
	CNT	24	24	24	22	22	22	21	21	19	22	19	20	23	23	24	25	23	29	26	26	26	25	26	23
	UO																								
	LO																								
h'F2	MED									250	250	260	253	270	280	268	250	243							
	CNT									21	22	20	22	25	25	26	25	26							
	UQ																								
	LO																								
h'F	MED	275	285	275	250	218	238	290	245	240	225	220	210	230	240	240	240	240	225	210	210	225	220	230	270
	CNT	23	22	23	22	22	18	21	21	18	20	19	21	24	24	23	22	22	29	29	29	29	26	26	23
	UO																								
	LO																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LO																								
fo F1	MED									425	440	460	460	470	470	460	430								
	CNT									2	8	13	14	13	13	11	5	1							
fo E	MED								183	260	300	330	340	350	340	320	290	245	165						
	CNT								16	16	17	15	17	23	21	23	21	18	2						
h'E	MED								125	110	110	110	110	105	110	110	115	120							
	CNT								15	15	17	14	17	21	21	21	20	16							
fo Es	MED	E		E		E	E		G	G	G	G	G	G	G	G	G							E	E
	CNT	23	12 23	24	13 23	21	12 20	13 19	18	17	200	19	21	22	24	25	24	28 24	26 27	23 29	18 28	23 28	16 26	25	22

SWEEP 0.6 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. NOVEMBER, 196.

TABLE 55

IBADAN, NIGERIA (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	U 82	U 73	U 65	U 52	U 41	31	61	84	U 92	U 91	90	U 86	U 87	U 90	U 97	U 97	U 92	U 90	U 90	U 85	U 90	U 93	U 90	U 80
	CNT	26	27	27	27	26	25	27	26	26	24	26	25	26	27	28	29	28	28	28	27	28	27	27	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	245	240	230	235	220	235	250	240	220	210	205	200	200	200	200	205	240	250	300	340	300	260	240	245
	CNT	26	27	27	27	26	25	27	26	25	19	22	20	22	21	21	22	20	22	27	27	28	27	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	U 335	U 330	U 340	U 350	U 335	320	335	325	290	265	255	260	260	260	260	265	U 255	U 260	250	U 255	U 280	296	U 315	U 330
	CNT	8	7	6	8	9	15	11	15	12	13	17	19	18	18	17	15	11	3	13	7	4	4	3	3
	UQ																								
	LQ																								
fo F1	MED									J 440	U 460	U 480	U 480	U 480	U 470	U 460	U 380	290	U 270						
	CNT									1	5	9	14	16	13	5	2	1	1						
fo E	MED							200	275	320	345	360	370	370	360	345	310	270	190	100					
	CNT							25	24	24	18	19	19	20	17	18	22	17	18	4					
h'E	MED																								
	CNT																								
fo Es	MED	E	E	E	E	E	E	G	31	58	88	90	90	90	90	90	85	53	41	J	E	E	E	E	E
	CNT	19	20	20	20	19	19	20	19	18	160	18	19	19	19	20	20	20	20	20	20	20	20	20	20

SWEEP NOVEMBER, 1961

TABLE 56

LEOPOLDVILLE, CONGO (4.4S, 15.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
fo F2	MED	67	68	60	52	40	54	66	70	84	U 102	U 109	110	114	121	124	126	122	116		U 124	U 132	130	117	71
	CNT	24	25	27	26	23	30	28	19	13	5	9	10	14	17	22	23	16	14	3	5	6	19	18	19
	UQ																								
	LO																								
h'F2	MED																								
	CNT																								
	UO																								
	LO																								
h'F	MED																								
	CNT																								
	UO																								
	LO																								
M(3000)F2	MED	275	264	299	305	307	314	300	279	265	U 247	U 250	247	246	252	257	261	266	265			U 272	292	305	291
	CNT	24	25	27	26	23	30	28	19	13	7	9	10	15	18	21	23	16	14	4	4	6	19	18	17
	UQ																								
	LO																								
fo F1	MED									U 430	450	460													
	CNT									8	10	11	3	1	3	4	1								
fo E	MED							250	300		U 350						U 280								
	CNT						4	13	16	4	8	2		4	3	3	5	2							
h'E	MED						122	117	110	110	110	110	110	U 110	110	110	115	U 115							
	CNT						10	18	20	21	15	11	12	8	10	18	13	5							
fo Es	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. NOVEMBER, 1961

TABLE 57

HOBART, TASMANIA (42.9S, 147.2E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	D 40	D 35	D 35	34	U 32	U 37	D 42	D 45	D 50	D 53	D 60	D 57	D 50	D 62	D 62	D 66	D 63	U 69	D 63	D 65	D 60	D 50	D 45	D 45
	CNT	21	24	23	25	25	25	21	21	21	19	18	17	18	16	18	16	19	21	21	21	21	20	21	25
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	320	325	300	310	330	345	325	320	340	340	320	325	320	325	320	325	335	330	325				310
	CNT	5	7	9	12	15	12	6	5	11	9	9	7	7	8	8	8	9	11	7	5	4	1	2	6
	UQ																								
	LQ																								
foF1	MEQ																								
	CNT																								
foE	MEQ																								
	CNT																								
h'E	MEQ																								
	CNT																								
foEs	MEQ																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. NOVEMBER, 1961

TABLE 58

FALKLAND IS. (51.7S, 57.8W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	69	69	68	66	63	68	71	69	70	76	78	78	77	81	81	78	74	74	72	72	72	74	74	72
	CNT	23	21	21	20	29	30	29	26	28	27	26	27	25	26	28	28	28	27	30	30	30	28	24	28
	UQ																								
	LQ																								
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	275	280	280	290	285	300	305	305	285	285	290	295	300	310	310	320	330	325	325	310	295	275	275	275
	CNT	8	8	10	11	11	15	17	14	12	20	16	15	17	18	19	20	24	24	26	22	22	19	12	10
	UQ																								
	LQ																								
foF1	MEQ							U 400		440	470	460	470	470	460	470	440								
	CNT							1		2	1	4	10	7	4	10	8								
foE	MEQ					160	215	240	280	300	315	335	340	340	340	330	310	280	265	210	190	140	E		
	CNT					13	8	6	5	10	9	11	12	5	7	11	15	11	8	11	4	1	1		
h'E	MEQ																								
	CNT																								
foEs	MEQ	J 25	J 19	J 17	E	G 16	J 24	25	33	J 41	J 46	J 42	J 52	J 45	J 44	J 43	40	34	J 37	J 28	J 26	J 20	J 24	J 24	16
	CNT	25	25	25	27	23	26	30	29	30	290	27	27	26	26	27	27	29	27	30	29	27	26	25	25

SWEEP NOVEMBER, 1961

TABLE [illegible]

RESOLUTE BAY, CANADA (74.7N, 94.9W) TIME 90.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	43	42	40	42	42	43	45	45	49	49	50	50	50	53	52	52	51	52	50	51	47	46	44	41
	CNT	27	26	26	25	25	25	23	23	23	23	24	23	23	21	23	23	23	23	23	22	23	23	24	25
	UQ	47	48	47	49	50	46	50	52	55	53	54	53	53	52	57	55	55	55	56	53	53	50	50	48
	LQ	38	39	39	38	38	35	42	40	43	44	44	43	42	46	43	47	47	49	45	45	44	41	38	30
h'F2	MEQ								U 270	290	305	310	330	360	335	320	305	300	290	U 280					
	CNT				1	1	2	2	8	13	17	21	20	22	19	21	21	14	10	5	3				
	UQ																								
	LQ																								
h'F	MEQ	260	240	250	260	260	270	270	250	230	230	230	220	220	220	230	230	230	235	250	250	250	245	250	250
	CNT	25	23	23	24	24	25	24	24	20	18	20	19	22	16	19	20	21	23	23	21	22	22	23	24
	UQ																								
	LQ																								
M(3000)F2	MED	300	300	290	300	300	310	310	310	310	300	300	300	295	300	290	310	300	310	300	300	300	310	300	300
	CNT	21	21	12	10	14	20	13	17	17	18	17	16	17	18	19	17	15	18	19	16	15	17	18	15
	UQ																								
	LQ																								
foF1	MED									U 340	370	380	390	390	390	390	380	U 370	U 340						
	CNT								3	6	12	18	19	21	20	19	15	9	5	2					
foE	MEQ						U 170	U 190	210	240	247	260	273	270	277	270	260	240	220	E 200	U 180	U 175			
	CNT					2	6	8	10	12	13	13	12	13	10	11	11	13	12	3	2	5			
h'E	MEQ																								
	CNT																								
foEs	MEQ																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. SEPTEMBER, 1961

TABLE 60

GODHAVN, GREENLAND (69.3N, 53.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 36	36	U 375	U 32	29	29	U 352	U 33	U 45	U 50	U 52	U 54	U 59	U 57	U 51	U 52	U 505	U 51	U 49	U 50	U 455	U 45	U 39	U 38
	CNT	16	11	10	5	5	4	6	7	9	9	15	15	13	13	19	22	16	22	20	21	24	15	16	19
	UQ	40	40	39	38	36	30	38	44	50	58	60	60	60	60	55	55	56	55	52	53	49	48	48	44
	LQ	30	28	35	28	25	28	28	30	40	40	50	51	52	50	45	48	50	48	46	43	42	40	36	33
h'F2	MEQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEQ																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 315	U 300							U 315	U 320	305	U 302	U 295	U 305	U 298	U 295	U 305	305	310	318	J 312	J 305	E 30	
	CNT	8	2	2	1	3	2	1	3	5	7	10	7	6	5	6	13	5	14	13	16	10			
	UQ	330	310							330	325	310	315	315	310	330	325	315	315	320	330	320	310	310	
	LQ	290	290									290	275	290	300	265	280	290	290	300	305	300	295	290	
foF1	MED									U 340	U 360	U 370	U 400	U 405	U 420	U 390	400								
	CNT							1	2	7	7	10	12	14	11	10	7	3							
foE	MEQ										U 265	270	270	U 280	U 280	U 262									
	CNT						1	1		2	7	7	6	7	5	4	4	2	4						
h'E	MEQ										113	E 114	113	E 113	115	E 115	115	E 114	J 105						
	CNT						1	2	2	4	3	12	9	4	12	13	17	19	2	2					
foEs	MEQ	27	25	27	22	21	17	17	16	19	210	24	24	26	24	27	30	30	29	28	26	25	24	26	26
	CNT																28	28	26	25	26				

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. SEPTEMBER, 1961

TABLE

CHURCH LL, CANADA (58.8N, 94.2W) TIME 20.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	37	32	34	35	36	38	43	46	52	54	56	60	60	63	64	64	62	58	45	40	40	30	35
	CNT	25	25	26	26	25	23	19	19	21	24	24	28	28	29	29	29	28	27	28	28	28	27	28	26
	UQ	43	41	37	36	38	37	44	45	52	55	60	62	64	67	68	73	70	68	62	54	46	42	42	35
	LQ	34	32	29	29	30	31	34	40	44	46	50	48	50	51	53	54	57	54	50	42	38	32	36	35
h'F2	MED									320	330	330	350	330	330	330	325	305	300						
	CNT								3	12	20	22	24	27	28	28	29	24	15	1					
	UQ																								
	LQ																								
h'F	MED	290	290	305	330	320	310	325	295	240	250	220	215	220	220	230	230	235	260	280	300	300	295	290	295
	CNT	19	15	18	24	14	15	14	13	10	15	17	22	22	25	25	23	20	23	27	26	23	21	23	19
	UQ																								
	LQ																								
M(3000)F2	MEQ	U 300						U 290	300	300	300	300	300	300	300	300	300	300	300	300	300	U 300		U 300	U 300
	CNT	5		2	3	1	3	5	11	15	19	21	20	25	26	26	29	24	23	18	14	7	4	6	5
	UQ																								
	LQ																								
foF1	MEQ									U 410	410	420	430	430	430	420	420	400	U 370						
	CNT								2	5	14	22	27	28	28	26	18	10	5						
foE	MED									U 260	300	310	310	320	320	300	300	260	240	220	U 180				
	CNT				1	1		3	3	6	10	17	21	22	24	24	22	20	17	12	5				
h'E	MEQ																								
	CNT																								
foEs	MEQ																								
	CNT																								

SWEEP 1.0 MC TO 17.0 MC IN 15 SECONDS. SEPTEMBER, 1961

TABLE

DE BILT, NETHERLANDS (52.1N, 5.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	38	36	39	31	34	46	54	57	61	64	67	65	66	66	65	66	68	69	68	61	53	44	42
	CNT	28	28	27	28	27	27	27	27	29	29	29	30	30	30	29	30	30	30	29	30	29	30	30	27
	UQ	46	43	41	33	36	38	48	57	61	71	72	71	71	69	71	70	70	71	73	73	68	58	49	47
	LQ	37	35	33	31	30	30	43	48	52	58	60	61	61	63	60	61	60	61	64	61	56	43	40	36
h'F2	MEQ							U 325	280	300	280	290	300	290	290	290	280	280	U 260						
	CNT							2	12	15	25	25	24	23	22	17	13	6	2						
	UQ																								
	LQ																								
h'F	MED	310	300	305	300	290	265	250	230	230	225	215	215	220	225	225	230	240	260	260	260	260	270	285	300
	CNT	28	28	28	28	27	27	27	26	27	26	28	27	27	27	26	30	30	30	29	29	30	30	30	27
	UQ																								
	LQ																								
M(3000)F2	MEQ	280	275	270	280	290	305	325	325	320	325	315	315	320	315	310	315	315	315	310	305	305	295	290	275
	CNT	28	28	27	28	26	27	27	27	29	29	29	30	30	30	29	30	30	30	29	30	29	30	30	27
	UQ																								
	LQ																								
foF1	MEQ							U 320	390	420	440	450	460	460	460	450	420	U 400							
	CNT							2	9	12	21	23	20	22	19	9	5	1							
foE	MED							200	250	280	300	310	320	330	330	310	290	260	220						
	CNT							21	23	28	24	26	24	26	22	24	28	25	13						
h'E	MEQ							E	128	120	120	120	120	120	120	120	120	124	E						
	CNT							18	16	19	22	21	23	19	18	19	19	16	9						
foEs	MEQ																								
	CNT																								

SWEEP 1.8 MC TO 18.0 MC IN 4 MINUTES. SEPTEMBER, 1961

TABLE 63

SLOUGH, ENGLAND (51.5N, 0.6W) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEQ	40	40	38	35	32	30	41	50	55	59	64	63	64	66	67	65	65	66	68	68	64	57	47	42
	CNT	29	28	28	28	28	29	30	28	30	27	28	25	28	28	27	28	29	27	24	26	26	28	26	27
	UQ																								
	LQ																								
h'F2	MEQ							260	325	275	290	275	280	290	290	285	275	275	270	260					
	CNT							1	1	9	19	26	26	19	22	18	17	6	5	1					
	UQ																								
	LQ																								
h'F	MED	280	280	280	275	270	250	245	230	220	220	205	200	200	205	220	220	225	240	250	240	245	245	250	260
	CNT	29	30	30	29	24	25	28	28	26	27	24	22	22	24	20	24	23	26	23	30	30	28	24	14
	UQ																								
	LQ																								
M(3000)F2	MED	280	285	275	285	285	295	325	330	325	320	330	330	320	315	315	320	315	315	315	310	310	300	290	285
	CNT	29	28	25	28	28	26	29	27	27	26	27	24	27	26	26	26	27	26	19	19	22	27	25	25
	UQ																								
	LQ																								
foF1	MED								360	380	430	430	440	440	440	440	420	410	360						
	CNT								1	7	15	20	16	16	18	7	3	1	1						
foE	MED						160	180	230	265	295	320	330	330	330	325	305	275	240	190					
	CNT						2	22	24	19	17	19	21	20	18	19	20	21	19	11					
h'E	MEQ						120	115	115	110	110	105	105	105	105	110	110	110	120	E 125					
	CNT						2	2	23	27	27	27	21	21	17	17	21	17	15	2					
foEs	MED	J 14	J 14	J 14	J 14	J 15	J 16	20	24	28	31	33	34	36	33	34	31	29	25	23	J 20	J 18	E 16	E 16	E 16
	CNT	30	30	30	30	30	30	30	30	30	290	28	29	29	29	28	29	29	29	29	30	30	30	30	30

SWEEP SEPTEMBER, 1961

TABLE 64

DOURBES, BELGIUM (50.1N, 4.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	40	38	36	34	34	45	53	59	64	68	67	66	68	68	67	67	70	69	69	61	55	45	43
	CNT	25	24	24	25	25	25	24	26	23	24	25	27	26	26	27	27	27	27	25	25	24	26	25	25
	UQ	45	44	42	40	38	37	50	57	65	71	73	72	71	70	71	72	72	72	75	73	68	60	51	46
	LQ	37	36	35	34	32	32	40	47	55	56	62	60	61	64	62	64	60	65	66	62	56	46	40	38
h'F2	MEQ							262	288	302	280	290	290	295	290	290	290	285	260						
	CNT							2	9	12	15	23	24	21	18	21	11	6	1						
	UQ								315	312	305	300	300	310	305	300	300	280							
	LQ								280	300	270	255	260	275	270	265	280	265							
h'F	MED	289	285	285	284	262	256	235	230	220	210	202	205	212	210	210	220	235	242	240	240	240	248	U 260	285
	CNT	24	24	25	24	25	24	25	25	23	24	25	27	27	27	27	26	27	27	25	25	24	25	25	25
	UQ	300	298	298	294	295	278	249	239	222	220	214	220	228	215	220	230	242	250	251	250	250	264	282	300
	LQ	280	270	268	275	260	245	230	220	210	210	200	200	200	200	210	220	230	240	230	235	230	240	248	270
M(3000)F2	MED	285	285	285	288	295	310	335	330	325	340	345	330	325	330	325	320	320	325	320	315	320	305	290	290
	CNT	25	24	24	24	25	24	24	24	22	24	25	27	26	26	27	26	27	27	25	25	24	25	25	25
	UQ	292	290	294	295	305	325	350	348	340	348	350	340	340	340	340	335	330	335	328	320	322	318	302	292
	LQ	280	272	280	280	285	290	325	320	320	325	320	320	315	315	315	315	315	315	315	310	310	300	285	278
foF1	MEQ							240	390	410	428	438	440	450	448	440	425	390							
	CNT							1	3	6	8	14	19	12	12	9	3	1							
foE	MEQ						U 118	185	230	270	308	310	320	340	330	305	290	245	210	E 160					
	CNT						8	13	13	14	10	14	11	13	17	16	21	16	11	3					
h'E	MEQ						E 129	U 116	111	104	107	106	105	106	106	107	108	110	E 123	113					
	CNT						8	22	24	23	24	25	26	26	24	24	24	21	15	5					
foEs	MEQ	E		13	12	14	13	15	18	25	28	32	33	35	G	G	G								
	CNT	24	24	25	25		25	24	25	26	23	240	25	27	27	27	26	29	25	26	22	19	19	16	18	18
																		25	27	27	25	25	24	25	25	25

SWEEP 1.0 MC TO 20.0 MC IN 3 MINUTES. SEPTEMBER, 1961

TABLE [illegible]

ST. JOHNS, NEWFOUNDLAND (47.6N, 52.7W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	32	30	27	23	30	45	52	58	64	62	65	67	66	67	66	66	68	73	65	56	41	42	40
	CNT	23	21	23	13	19	29	30	29	30	30	30	30	30	30	30	30	30	30	25	25	20	21	20	21
	UD	40	38	33	30	29	35	49	58	66	70	69	70	70	71	72	70	73	77	80	76	64	53	46	42
	LO	30	26	27	25	23	26	42	47	54	56	53	58	58	58	58	62	62	65	65	57	42	36	36	32
h'F2	MED								265	280	280	295	300	300	300	295	295	290							
	CNT						1		10	22	27	26	28	28	28	22	17	11							
	UD																								
	LD																								
h'F	MED	290	290	300	28[illegible]	260	255	235	225	210	200	200	200	205	205	210	215	230	250	240	240	240	250	270	300
	CNT	19	15	18	12	9	23	24	30	29	29	30	29	28	29	27	28	28	30	30	28	27	24	20	21
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	290	300	300	310	320	330	320	320	310	310	310	310	300	305	300	300	300	300	300	290	280	280
	CNT	14	12	13	10	8	21	26	26	26	27	27	27	27	26	27	29	28	23	16	11	11	11	9	8
	UD																								
	LD																								
foF1	MED									U 400	420	430	450	440	430	U 430									
	CNT								2	7	12	13	14	11	11	8	2	2							
foE	MED							U 215	260	300	310	320	340	330	330	310	240	260							
	CNT						1	4	18	10	22	24	19	21	25	24	22	16	2						
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. SEPTEMBER, 1961

TABLE [illegible]

GARCHY, [illegible] (47.3N, 3.1E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	42	40	33	38	3[illegible]	46	55	61	68	68	68	67	68	69	68	68	71	D 69	D 70	U 62	53	U 45	U 42
	CNT	21	26	25	27	27	28	24	20	26	26	28	27	27	26	27	26	24	20	24	16	16	20	23	22
	UD																								
	LD																								
h'F2	MED									270	280	275	270	280	280	280	270								
	CNT									13	20	21	26	22	20	20	12								
	UD																								
	LD																								
h'F	MED	E [illegible]	E 290	E 290	E 285	E 275	U 245	230	225	220	210	205	205	200	210	215	225	235	U 240	U 240	E 240	E 240	E 250	E 255	E 300
	CNT	28	30	30	30	29	29	26	28	29	28	30	30	28	29	28	27	27	30	30	29	30	29	30	29
	UQ																								
	LD																								
M(3000)F2	MED	280	280	285	280	290	305	335	325	335	335	330	320	325	320	320	320	320	320						
	CNT	14	14	11	14	19	19	17	8	16	18	23	23	23	22	22	23	19	13	8	3	4	4	9	8
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							185	240	280	300	320	325	330	330	325	295	270	220						
	CNT							15	19	25	26	22	24	17	19	18	23	20	20						
h'E	MED									105	105	100	100	100	100	100	105	110							
	CNT									24	26	22	23	24	17	13	16	11							
foEs	MED	E	E	E	E	E	E	U 23	U 29	30	33	36	37	37	37	34	35	31	26	26	U 29	U 27	U 24	E 18	U 20
	CNT	30	30	29	29	29	40	22	27	23	22	26	21	23	24	22	20	24	28	30	30	30	30	30	29

SWEEP [illegible] SEPTEMBER, 1961

TABLE 67

ROME, ITALY (41.8N, 12.5E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	45	44	43	41	38	49	57	65	72	74	76	75	76	77	74	76	80	83	76	U 64	57	U 51	47
	CNT	25	24	26	29	28	30	30	26	26	28	29	29	27	29	29	30	28	21	19	9	15	19	24	22
	UO	50	49	47	47	45	41	50	65	69	77	80	79	82	82	79	78	79	85	85	85	80	62	57	53
	LD	42	42	40	[illegible]	38	35	41	52	60	68	63	68	67	69	74	68	71	73	77	57	51	51	46	44
h'F2	MED																								
	CNT								1	2	4	4	3	3	[illegible]		2								
	UQ																								
	LD																								
h'F	MED	300	300	300	300	270	270	250	240	230	220	210	210	210	215	215	240	240	250	250	240	240	250	260	280
	CNT	26	28	28	28	30	27	29	27	27	26	26	26	24	26	26	29	28	29	28	28	27	28	27	27
	UQ	300	315	305	300	290	290	260	240	240	230	230	220	220	230	240	240	240	250	260	250	250	260	270	300
	LD	270	290	290	275	260	250	240	230	220	210	210	200	200	200	210	210	235	240	240	230	240	240	250	260
M(3000)F2	MED	270	275	275	280	290	290	320	325	330	320	325	310	310	310	310	305	305	310	310	310	U 305	300	U 280	270
	CNT	24	24	26	28	28	30	30	25	25	28	28	29	27	26	25	30	28	17	17	9	12	18	24	22
	UQ	280	280	280	285	300	300	325	340	335	330	330	325	315	315	320	315	315	325	310	315	315	310	290	280
	LQ	265	265	270	270	280	285	305	310	320	315	315	310	300	300	300	300	300	310	300	300	295	290	275	265
foF1	MED																								
	CNT								1	2	4	4	3	3	2		1								
foE	MED							195	230	270	300	320	340	347	350	330	31[illegible]	290	240	180					
	CNT							14	26	29	27	24	21	24	25	20	24	27	27	1[illegible]					
h'E	MED							125	120	110	110	110	110	110	110	110	110	110	120	130					
	CNT							6	27	29	29	29	29	30	30	30	30	27	25	12					
foEs	MED																								
	CNT	30	30	30	29	30	30	24	29	30	30	29	28	30	30	30	30	28	29	29	30	30	30	30	30

SWEEP 1.4 MC TO 15.0 MC IN 5 MINUTES, AUTOMATIC. SEPTEMBER, 1961

TABLE 68

FORMOSA, CHINA (25.0N, 121.5E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	58	U 5[illegible]	U 43	U 35	U 34	56	76	78	83	U 96	U 114	132	U 140	139	U 141	U 138	D 123	D 96	D 90	U 84	U 74	U 64	U 56
	CNT	24	24	23	23	23	20	25	26	27	27	26	26	25	26	26	27	27	27	27	28	28	26	27	24
	UQ	76	72	68	56	45	43	61	83	83	90	104	123	143	152	160	160	150	147	133	112	90	82	84	82
	LQ	44	45	45	32	29	30	54	69	74	74	84	102	116	122	122	124	122	110	111	99	66	56	50	46
h'F2	MED								230	245	270	305	320	310	300	295	275	260	250						
	CNT								4	11	6	10	19	23	26	26	27	25	16						
	UO																								
	LD																								
h'F	MED	290	260	23[illegible]	[illegible]	U 250	U 260	240	225	215	U [illegible]	200	U 2[illegible]5	U 200	U 212	U 220	U 220	U 23[illegible]	U 230	230	220	U 210	U 245	U 290	U 285
	CNT	24	25	2[illegible]	24	22	20	25	27	25	26	23	22	20	21	23	26	25	23	27	28	28	26	27	25
	UD																								
	LO																								
M(3000)F2	MED	U [illegible]	U 300	[illegible]	[illegible]	310	U [illegible]	445	360	[illegible]	410	290	[illegible]	300	U 305	U 305	315	320	U 325	U 335	320	320	U 275	U 280	U 275
	CNT	21	[illegible]	[illegible]	21	[illegible]	13	25	24	27	27	15	19	21	20	15	12	17	9	11	14	16	15	20	14
	UO	[illegible]	31[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	[illegible]	[illegible]	310	[illegible]	335	310	310	315	330	340	345	345	330	295	280	295
	LO	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	433	355	[illegible]	[illegible]	280	[illegible]	295	300	305	305	310	325	325	320	300	265	265	270
foF1	MED											U 490	U 500	U 490	U 490	U 480	U 480								
	CNT											3	9	9	5	4	4								
foE	MED																U 335	U [illegible]							
	CNT																2	2							
h'E	MED									U 108	111	1[illegible]				E 113	E 111	E 115							
	CNT									4	3	1				1	4	3							
foEs	MED								31	34	42	38	41	40	3[illegible]	[illegible]	4[illegible]	34	38	3[illegible]					
	CNT	25	25	24	22	22	23	10	21	26	2[illegible]	22	21	20	21	21	25	26	24	24	27	27	27	27	26

SWEEP 1.0 MC TO 25.0 MC IN [illegible] SECONDS. SEPTEMBER, 1961

TABLE [illegible]

[illegible] CERRILL[illegible], MEXI[illegible] [illegible] [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	44	[illegible]	42	37	35	44	59	[illegible]	74	[illegible]	[illegible]	98	108	114	[illegible]	[illegible]	117	112	[illegible]	64	52	47	44
	CNT	29	[illegible]	30	29	25	27	[illegible]	27	[illegible]	[illegible]	27	27	27	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	28	29	29	[illegible]	[illegible]
	UQ	46	[illegible]	[illegible]	43	39	[illegible]	[illegible]	56	[illegible]	[illegible]	[illegible]	[illegible]	104	112	[illegible]	[illegible]	130	120	120	100	69	58	52	47
	LQ	40	40	40	38	31	30	31	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	101	108	[illegible]	[illegible]	112	102	86	56	46	42	41
h'F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1						
	UQ											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ											[illegible]	[illegible]	[illegible]	120	300	[illegible]	[illegible]							
h'F	MED	280	280	265	250	270	275	280	240	220	210	200	210	210	225	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	210	250	280	300
	CNT	29	29	30	29	25	27	27	29	29	28	26	26	26	25	25	25	27	30	30	28	29	29	[illegible]	29
	UD	[illegible]	300	270	270	295	300	300	245	222	220	210	220	220	240	240	240	270	260	240	240	230	270	270	310
	LQ	260	270	250	230	250	260	260	238	212	200	190	[illegible]	200	220	218	[illegible]	210	230	230	200	200	240	270	270
M(3000)F2	MED	290	290	300	310	290	300	310	340	[illegible]	318	300	[illegible]	285	[illegible]	[illegible]	300	310	340	340	340	320	300	290	290
	CNT	28	29	29	26	25	26	27	28	27	28	[illegible]	27	25	28	27	28	28	28	[illegible]	[illegible]	29	29	28	28
	UD	300	310	320	340	305	310	310	340	340	320	305	300	300	310	310	310	320	330	340	340	330	310	290	300
	LQ	280	285	290	290	285	280	290	330	330	[illegible]	290	280	280	280	290	300	310	320	330	330	295	290	280	280
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]							
	CNT										1	8	15	21	22	24	[illegible]	8	1						
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	370	370	U 350	360	[illegible]	[illegible]	255	U [illegible]					
	CNT								[illegible]	18	20	14	[illegible]	13	7	14	[illegible]	[illegible]	24	5					
h'E	MED								U [illegible]	117	[illegible]	[illegible]	111	[illegible]	U 107	111	[illegible]	111	113	U [illegible]					
	CNT								[illegible]	18	20	14	[illegible]	[illegible]	7	14	16	[illegible]	24	5					
foEs	MED	U 26	[illegible]	U [illegible]	[illegible]	[illegible]	31	30	[illegible]	[illegible]	32	[illegible]	[illegible]	40	40	40	40	41	38	42	32	32	44	35	U 34
	CNT	7	11	8	[illegible]	11	10	[illegible]	13	[illegible]	[illegible]	23	[illegible]	26	23	23	28	29	29	27	[illegible]	19	11	7	8

SWEEP 1.0 MC TO 25.0 MC IN 18 SECONDS. SEPTEMBER, 1961

TABLE [illegible]

SINGAPORE, [illegible] MALAYA [illegible] TIME 105.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	68	[illegible]	[illegible]	[illegible]	34	[illegible]	46	80	95	104	108	106	[illegible]	104	105	106	104	103	110	108	110	108	100	92
	CNT	21	24	[illegible]	[illegible]	[illegible]	[illegible]	24	27	27	27	[illegible]	[illegible]	[illegible]	28	25	27	25	26	26	21	18	19	19	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LD																								
h'F	MED																								
	CNT																								
	UD																								
	LQ																								
M(3000)F2	MED	320	310	320	[illegible]	335	[illegible]	325	320	295	270	240	220	220	240	250	250	260	265	265	270	290	315	330	335
	CNT	20	24	24	26	24	18	23	27	26	27	25	26	25	28	25	27	25	26	22	18	16	17	19	20
	UQ																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED							160	250	310	340	365	380	380	375	360	340	300	245						
	CNT							4	17	21	16	18	23	21	23	22	26	16	15						
h'E	MED																								
	CNT																								
foEs	MED	16		[illegible]	12	15	[illegible]	[illegible]	24	33	37	36	G	G	G	G	G	24	28	23	25	23	27	34	26
	CNT	4	9	13	16	15	12	25	24	27	260	26	28	26	27	26	27	25	26	27	16	17	15	10	6

SWEEP SEPTEMBER, 1961

TABLE [illegible]

FALKLAND IS. [illegible] TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	60	49	45	44	42	42
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	24	25	25	25	23	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]		[illegible]		[illegible]	345	340	320	270
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	11				[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	11
	UQ																								
	LQ																								
foF1	MED											[illegible]		[illegible]											
	CNT																								
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							12	4	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	1		1
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]				19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40	40	40	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]		14	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	24	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]

SWEEP [illegible] SEPTEMBER, [illegible]

TABLE [illegible]

POLE STATION, ANTARCTICA 190.0E TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 42	U 44	U 47	U 47	U [illegible]	[illegible]	455	U 40	U 41	U [illegible]	U 37	[illegible]	435	46	U 47	53	U 53	U 45	U 395	U 34	U 37	U 38	U 37	U 43
	CNT	19	19	25	27	[illegible]	[illegible]	22	21	[illegible]	[illegible]	[illegible]	[illegible]	14	17	19	24	22	17	16	7	12	11	15	20
	UD	47	[illegible]	54	55	[illegible]	[illegible]	51	47	[illegible]	[illegible]	[illegible]	42	45	44	50	61	59	47	48	47	42	47	42	46
	LQ	37	36	[illegible]	[illegible]	41	41	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	39	46	48	38	32	27	34	36	32	38
h'F2	MED																								
	CNT						1																		
	UD																								
	LD																								
h'F	MED	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	[illegible]	[illegible]	U 280	288	[illegible]	[illegible]	290	272	252	260	280	265	280	U 255	255	245	255
	CNT	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]	10	12	22	24	23	21	19	12	18	23	22	25
	UD	270	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	300	270	310	340	320	315	350	310	285	270
	LD	[illegible]	240	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	260	260	255	245	245	245	260	250	230	225	230	220
M(3000)F2	MED	U 312	U [illegible]	U [illegible]	U [illegible]	[illegible]	U [illegible]	U [illegible]	U [illegible]	U [illegible]	[illegible]	[illegible]	[illegible]	U 320	325	330	322	310	U 310	310	U 300	U 290	U 308	U 320	U 315
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	10	[illegible]	12	13	20	15	13	11	6	7	6	10	12
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	330	340	330	340	340	315	330	320	320	320	325	340	320
	LD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	310	310	310	330	305	295	285	290	290	280	300	320	310
foF1	MED																								
	CNT																								
foE	MED	[illegible]	U [illegible]	U [illegible]	U [illegible]	[illegible]	[illegible]	U 145	U [illegible]	U [illegible]	U [illegible]	U 140	U 230	U 250	U 240	255	U 235	U 190	U 200	U 190	U 185	U 200	U 210	U 182	180
	CNT	[illegible]	9	[illegible]	[illegible]	8	[illegible]	9	[illegible]	[illegible]	[illegible]	8	[illegible]	7	9	9	12	10	14	15	9	9	13	14	7
h'E	MED	[illegible]	[illegible]	[illegible]	121	[illegible]	120	117	126	115	[illegible]	[illegible]	113	[illegible]	108	109	112	114	113	124	117	115	121	119	122
	CNT	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	12	14	11	[illegible]	9	[illegible]	8	9	12	14	15	16	17	13	19	19	14
foEs	MED								23		25										27	275			195
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	27	[illegible]	240	[illegible]	[illegible]	18	21	23	27	28	28	28	25	28	26	26	28

SWEEP 1.0 MC TO 2[illegible] MC IN [illegible] SECONDS. SEPTEMBER, 1961

TABLE 73

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	51	47	46	40	38	41	50	56	62	64	68	67	65	65	62	63	62	65	66	71	73	70	61	57
	CNT	29	30	28	30	28	31	30	29	31	30	30	31	31	31	30	31	31	31	31	31	31	30	27	30
	UQ																								
	LQ																								
h'F2	MED						460	400	340	325	310	310	320	310	310	320	320	310	315	310					
	CNT						2	5	12	20	26	25	27	29	20	24	19	12	6	3					
	UQ																								
	LQ																								
h'F	MED	270	270	280	280	280	260	240	230	225	220	215	215	210	210	215	215	220	235	255	260	250	250	250	260
	CNT	29	28	29	30	30	31	26	26	22	22	23	24	28	23	25	26	27	26	24	27	26	30	30	27
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	280	280	280	295	305	305	300	305	310	305	305	305	305	305	305	305	305	305	300	300	290	[illegible]
	CNT	29	27	28	26	25	30	30	28	29	29	29	28	31	29	30	30	31	30	31	28	30	30	28	26
	UQ																								
	LQ																								
foF1	MED						310	360	410	430	450	460	480	480	470	470	460	420	430	380					
	CNT						3	5	10	21	23	25	24	22	21	22	15	8	3	1					
foE	MED						U 145	225	270	U 300	U 315	U 330	U 345	440	345	U 330	U 315	310	280	250					
	CNT						11	10	11	13	9	9	6	7	8	11	11	14	22	13					
h'E	MED																								
	CNT																								
foEs	MED	23	19	17	18	16	22	26	31	37	37	39	38	37	37	36	36	35	31	31	31	29	[illegible]	20	23
	CNT	18	22	24	26	24	31	31	30	24	30	27	28	27	26	25	23	24	26	25	28	24	21	15	14

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS. AUGUST, 1961

TABLE 74

DE BILT, NETHERLAND (52.1N, 5.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	48	46	41	40	45	52	58	60	66	67	67	64	63	64	61	65	67	70	73	72	66	60	53
	CNT	30	30	33	30	29	30	30	30	30	29	29	30	30	30	28	30	30	31	31	29	30	30	30	29
	UQ	57	52	48	46	44	51	60	65	69	72	72	71	71	70	68	68	68	71	74	77	76	71	62	58
	LQ	44	41	37	35	33	39	47	52	56	57	59	59	61	59	60	57	59	60	63	64	67	60	53	50
h'F2	MED					U 310	U 375	325	300	300	300	305	320	310	320	305	310	300	300	280					
	CNT					1	8	16	23	24	28	29	28	27	28	23	20	24	18	11					
	UQ																								
	LQ																								
h'F	MED	240	300	E 300	E 300	280	260	240	230	220	220	210	210	215	215	220	225	225	240	270	260	265	265	270	280
	CNT	31	30	31	29	24	29	26	23	22	25	29	25	27	26	27	26	25	24	26	28	29	30	30	30
	UQ																								
	LQ																								
M(3000)F2	MED	280	280	280	280	285	300	310	310	305	310	310	305	310	305	305	305	305	300	300	300	295	300	290	285
	CNT	30	30	29	29	28	31	30	30	30	29	29	30	31	30	29	30	31	31	31	29	30	29	30	29
	UQ																								
	LQ																								
foF1	MED						330	380	410	450	470	470	480	480	470	470	460	420	U 380						
	CNT						6	10	18	21	26	30	26	28	26	23	20	14	4						
foE	MED						190	220	270	300	320	330	340	350	340	330	320	290	260	210					
	CNT						21	29	29	30	30	28	25	22	23	19	25	28	26	20					
h'E	MED						E	128	122	120	120	118	118	116	118	120	118	120	124	E					
	CNT						29	28	29	30	30	29	29	27	28	21	23	22	19	30					
foEs	MED																								
	CNT																								

SWEEP 1.8 MC TO 18.0 MC IN 4 MINUTES. AUGUST, 1961

TABLE 75

LINDAU/HARZ, GERMANY (51.6N, [illegible]) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	514	48	45	42	40	475	564	612	[illegible]	673	675	[illegible]	665	54	[illegible]	648	658	681	[illegible]	[illegible]	[illegible]	635	59
	CNT	[illegible]	28	27	27	27	31	30	31	21	31	20	31	31	31	31	[illegible]	31	30	31	[illegible]	30	31	31	31
	UQ																								
	LQ																								
h'F2	MED							426	[illegible]	[illegible]	307	[illegible]	317	[illegible]	[illegible]	[illegible]	[illegible]	311	307	283	[illegible]				
	CNT							[illegible]	12	[illegible]	[illegible]	24	28	[illegible]	28	[illegible]	1	13	[illegible]	5	1				
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	260
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	27	27
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	271	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	298	[illegible]	284
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	475	478	[illegible]	470	[illegible]	[illegible]	[illegible]					
	CNT								12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	[illegible]	21	[illegible]	[illegible]	[illegible]					
foE	MED					E	E	[illegible]	243	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78	[illegible]	[illegible]	E			
	CNT					[illegible]	10	[illegible]	16	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	5	[illegible]			
h'E	MED					E	E	E	111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E			
	CNT					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	18			
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. [illegible]

TABLE 76

PARIS, FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	57	56	49	46	44	43	45	52	60	63	65	67	68	66	65	66	66	66	67	68	U 68	67	64	60
	CNT	23	23	23	26	28	27	29	27	28	24	25	24	27	27	27	28	26	28	28	22	9	5	14	21
	UQ																								
	LQ																								
h'F2	MED							U 300	250	[illegible]	300	300	300	305	318	330	320	315	300	288	280				
	CNT							[illegible]	5	[illegible]	23	26	25	26	22	25	25	20	21	14	7				
	UQ																								
	LQ																								
h'F	MED	275	[illegible]	[illegible]	[illegible]	[illegible]	275	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	205	200	200	[illegible]	210	220	228	240	250	250	250	250	255
	CNT	28	[illegible]	27	[illegible]	[illegible]	27	27	24	18	[illegible]	24	24	25	25	25	25	[illegible]	23	24	25	24	29	30	26
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	[illegible]	[illegible]	[illegible]	[illegible]	312	315	308	U 310	310	300	295
	CNT	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	26	22	[illegible]	[illegible]	14	13
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	440	[illegible]	[illegible]				
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	1				
foE	MED	E	E	E	E	E	E	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	260	[illegible]	E	E		E
	CNT	[illegible]	1	1	1	[illegible]	4	13	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	2		1
h'E	MED	E	E	E	E	E	E	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	E	E		E
	CNT		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	11	[illegible]		1
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	38	[illegible]	[illegible]	37	42	42	32
	CNT	24	[illegible]	[illegible]	[illegible]	24	24	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	27	[illegible]	27	30	30	28	25	26	24	22

[illegible]

TABLE [illegible]

GARCHY, FRANCE (47.3N, [illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	48	46	44	42	44	U 55	54	[illegible]	65	66	64	66	67	68	67	68	69	70	60	78	68	60	58
	CNT	24	25	24	28	28	31	27	28	[illegible]	25	28	30	28	31	30	30	31	30	29	29	24	[illegible]	24	[illegible]
	UQ																								
	LQ																								
h'F2	MED								300	280	280	300	310	310	325	320	320	300	285						
	CNT						31	30	18	24	21	25	25	26	25	23	24	26	14	28					
	UQ																								
	LQ																								
h'F	MED	U 280	E 280	E 290	E [illegible]	E 280	255	235	225	U 210	205	205	200	200	210	210	215	225	230	250	250	240	E 240	E 250	E 270
	CNT	25	28	29	28	27	30	27	23	19	17	23	25	25	25	28	25	26	22	27	28	24	27	29	28
	UQ																								
	LQ																								
M(3000)F2	MED	U 280	275	275	285	290	295	325	320	320	320	315	315	305	310	305	305	310	305	305	305	305	305	300	290
	CNT	6	11	14	18	20	27	21	23	22	21	25	25	27	28	26	29	26	26	19	17	12	11	8	10
	UQ																								
	LQ																								
foF1	MED									430	450	470	470	480	480	470	460								
	CNT						31	30	27	16	13	17	18	25	14	18	17	10	24						
foE	MED						E	220	265	240	320	325	U 330	345	340	335	320	290	260	200					
	CNT						29	27	31	29	23	23	17	17	20	20	20	22	26	20					
h'E	MED						E	110	105	100	100	100	100	100	100	100	100	105	110	115	E				
	CNT						28	18	28	29	25	24	25	21	20	22	20	19	23	10	30				
foEs	MED	27	24	25	25	23	23	31	39	41	44	43	43	42	41	38	39	37	36	35	31	32	31	26	27
	CNT	30	30	30	29	30	[illegible]	30	31	30	300	30	30	30	31	31	31	30	30	30	31	31	31	31	30

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TABLE 78

IBADAN, NI[illegible] (7.4N, 3.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	74	[illegible]	58	50	42	32	60	83	97	103	104	103	99	94	91	93	U 98	D 90	D 90	D 90	U 92	U 94	U 90	U 85
	CNT	30	[illegible]	30	30	24	25	28	29	28	29	29	30	28	30	29	29	29	29	29	29	30	28	29	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	290	275	265	250	245	250	250	235	220	210	205	200	200	200	200	200	210	240	260	305	320	275	255	275
	CNT	30	30	30	29	28	25	27	29	28	28	24	28	26	26	25	24	23	21	26	29	30	29	29	29
	UQ																								
	LQ																								
M(3000)F2	MED	295	320	325	U 320	320	335	330	325	315	295	265	250	250	245	245	245	250	260	U 260	255	255	290	285	305
	CNT	7	8	6	9	17	20	22	26	24	28	28	29	26	30	28	29	19	9	5	13	14	4	6	7
	UQ																								
	LQ																								
foF1	MED										J 480	U 490	500	500	490	490	470								
	CNT										3	14	18	19	23	8	3								
foE	MED							195	280	330	360	380	380	390	380	370	340	310	250	160					
	CNT							23	22	22	23	22	27	26	21	23	20	19	20	17					
h'E	MED																								
	CNT																								
foEs	MED	E	E	E	E	E	E	G	31	52	90	91	91	90	91	90	90	54	G	24	E	E	E	E	E
	CNT	30	30	30	30	29	27	29	29	28	290	29	30	29	30	29	29	29	29	29	30	30	28	29	30

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TABLE 79

JOHANNESBURG, UNION OF S. AFRICA (26.1S, 28.1E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	27	29	30	29	27	28	55	66	71	78	82	81	79	79	82	79	73	68	48	35	32	32	30
	CNT	26	27	27	28	28	28	28	29	30	29	29	29	28	29	27	30	30	29	29	28	28	26	26	25
	UQ																								
	LQ																								
h'F2	MED									235	250	270	275	275	280	285	265	255	230						
	CNT									18	16	29	28	27	28	23	19	16	3						
	UQ																								
	LQ																								
h'F	MED	E 240	230	250	220	E 230	E 240	245	230	225	210	200	200	200	200	200	200	220	230	220	215	220	230	225	
	CNT	2	4	5	10	9	8	12	29	29	29	28	26	22	22	22	22	24	29	27	21	15	7	4	
	UQ																								
	LQ																								
M(3000)F2	MED	300	300	300	310	305	295	310	350	345	330	325	315	320	310	305	310	320	325	335	335	325	315	310	310
	CNT	25	25	25	25	25	25	26	26	27	28	27	27	28	29	29	30	29	27	27	27	26	23	23	24
	UQ																								
	LQ																								
foF1	MED										420	460	470	470	470	460	440	390							
	CNT										7	14	23	20	21	12	9	2							
foE	MED								170	260	300	330	340	350	350	340	320	280	220	140					
	CNT								25	27	28	27	27	24	24	24	28	27	19	3					
h'E	MED																								
	CNT																								
foEs	MED	E 11	12	10	11	E	E	E	G	G	31	G	34	38	38	36	35	32	24	16	15	14	14	E 12	E 12
	CNT	25	[illegible]	26	28	28	27	28	28	[illegible]	260	27	29	27	27	28	29	28	28	28	28	28	26	26	[illegible]

SWEEP 1.0 MC TO 15.0 MC IN 1 MINUTE 30 SECONDS. AUGUST, 1961

TABLE 80

CAPETOWN, UNION OF S. AFRICA (34.1S, 18.3E) TIME 30.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	28	30	30	29	28	33	55	65	71	74	78	79	84	87	83	78	71	50	38	30	28	26
	CNT	30	30	30	30	30	30	30	29	30	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30
	UQ																								
	LQ																								
h'F2	MED										250	255	280	280	285	290	280	255	245						
	CNT										12	19	23	24	25	22	24	25	22						
	UQ																								
	LQ																								
h'F	MED					210		245	245	225	230	220	220	210	205	210	220	220	225	225	220	215	235	230	235
	CNT					2		1	15	29	28	27	25	19	16	12	14	20	23	28	21	7	2	4	1
	UQ																								
	LQ																								
M(3000)F2	MED	290	290	290	295	310	310	310	320	350	340	330	320	320	305	300	310	320	330	335	330	330	320	315	300
	CNT	29	29	29	29	30	30	30	29	30	29	29	29	29	29	29	29	29	29	30	30	30	30	29	29
	UQ																								
	LQ																								
foF1	MED										310	410	440	460	460	460	440	390	310						
	CNT										1	1	8	8	15	13	8	4	1						
foE	MED									E 190	260	300	320	340	340	330	320	290	250	170					
	CNT									19.	26	26	26	24	21	25	24	22	16	11					
h'E	MED																								
	CNT																								
foEs	MED	E 15	E 14	E 15	E 14	E 14	E 14	E 14	E 14	E 20	G	G	35	36	37	36	34	31	26	E 19	E 15	E 14	E 15	E 15	E 14
	CNT	29	30	29	29	30	30	30	30	30	270	27	27	23	28	28	26	29	25	30	30	29	30	29	29

SWEEP 1.0 MC TO 17.0 MC IN 7 SECONDS. AUGUST, 1961

TABLE 81

FALKLAND IS. (51.7S, 57.8W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	30	30	30	30	30	28	45	56	62	62	70	79	72	67	63	68	57	40	34	31	29	28	29
	CNT	22	22	23	24	23	22	18	18	16	21	16	13	13	16	9	15	8	12	19	17	19	17	20	23
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	275	265	260	280	290	280	305	350	355	385	375	340	335	340	375	350		365	335	310	300	265	270	260
	CNT	9	8	8	8	11	7	4	10	5	7	3	6	3	6	3	3		4	8	8	6	5	6	8
	UQ																								
	LQ																								
foF1	MED														350										
	CNT														1										
foE	MED								180	U 250	250	250	265	290	280	280	220	220	E	120					
	CNT								9	3	2	3	2	6	1	3	3	2	8	2					
h'E	MED																								
	CNT																								
foEs	MED	E	15	E	E	E	E	E	18	J 26	J 29	31	34	35	34	32	J 28	26	J 23	J 20	J 20	J 21	J 18	J 20	J 21
	CNT	23	22	24	22	24	26	22	23	21	250	23	21	21	21	20	21	18	21	26	20	21	21	22	25

SWEEP AUGUST, 1961

TABLE 82

LEOPOLDVILLE, CONGO (4.4S, 15.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	46	48	U 35	U 25	U 21	37	U 65	90	100	100	104	104	114	113	111	125	117	113	124		U 55	U 44	U 41	U 44
	CNT	10	11	8	9	9	21	9	18	20	18	18	15	18	13	22	21	18	13	10	1	5	7	9	6
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	301	308	U 299	U 284	U 315	295	U 312	307	292	287	283	277	273	264	260	274	280	284	301			U 290	U 299	U 324
	CNT	10	11	8	9	9	21	7	18	20	18	18	15	18	13	22	21	18	13	10	1	4	7	9	6
	UQ																								
	LQ																								
foF1	MED											U 450													
	CNT										3	8	1	1	3										
foE	MED								U 290	U 310	U 350						U 280								
	CNT						1	2	5	5	7	4	3	1	1	1	5	4							
h'E	MED							U 115		U 110	U 110	110	U 110	110	110	U 110									
	CNT						3	5	4	8	9	10	8	10	10	7	4	2							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. JULY, 1961

TABLE 83

TAHITI, SOCIETY IS. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	56	50	52	42	37	28	33	62	87	100	79	90	91	92	90	94	99	99	92	80	70	64	60	53
	CNT	26	23	24	25	22	24	26	28	29	30	31	31	31	31	31	30	31	31	28	28	25	23	21	19
	UQ																								
	LQ																								
h'F2	MED								245	255	255	250	260	255	270	270	275	270	240						
	CNT								5	25	30	28	31	30	31	29	27	28	9						
	UQ																								
	LQ																								
h'F	MED	245	260	250	235	230	245	275	245	232	222	215	200	200	200	210	230	240	240	225	215	225	245	240	248
	CNT	31	31	30	31	27	29	31	31	30	30	29	27	26	28	24	25	28	31	30	31	29	28	31	30
	UQ																								
	LQ																								
M(3000)F2	MED	298	290	300	330	322	298	290	335	335	340	340	340	330	330	315	315	315	320	320	320	295	300	305	295
	CNT	24	22	22	23	22	24	21	28	29	29	30	31	31	31	30	29	28	31	28	27	25	22	21	19
	UQ																								
	LQ																								
foF1	MED										U 440	460	500	480	470	450	U 400								
	CNT										1	6	9	22	16	9	3								
foE	MED	E	E	E	E	E	E	E	190	260	300	325	350	350	U 350	335	308	270	200	E	F	E	E	E	E
	CNT	9	7	11	8	15	20	29	28	29	28	21	20	18	19	19	18	23	18	10	14	8	8	8	8
h'E	MED	E	E	E	E	E	F	E	125	110	105	100	100	100	100	105	105	110	125	E	E	E	E	E	E
	CNT	9	7	11	8	15	20	29	20	24	21	21	22	22	19	14	12	17	7	31	15	8	8	8	8
foEs	MED	26	24	22	24	26	25	29	31	31	33	36	38	37	38	40	37	32	35	32	31	31	31	30	26
	CNT	28	24	21	28	27	27	25	30	29	270	28	27	28	29	31	30	30	31	31	30	31	29	30	28

SWEEP 1.[illegible] MC TO 17.0 MC. JULY, 19[illegible]

TABLE 84

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	24	23	22	22	21	21	28	60	73	77	83	82	75	75	77	74	74	71	57	36	30	31	31	28
	CNT	27	29	28	30	30	30	30	31	31	30	31	30	29	29	28	29	28	31	31	29	30	31	31	28
	UQ																								
	LQ																								
h'F2	MED								U 250	255	265	275	275	280	290	285	275	260			U 400				
	CNT								1	15	22	27	29	25	23	17	15	8			1				
	UQ																								
	LQ																								
h'F	MED	330	320	U 338	U 350	280	248	270	250	240	230	235	230	220	212	242	240	245	240	225	225	255	262	250	240
	CNT	14	9	4	3	7	18	30	29	28	23	23	21	23	22	24	27	25	30	29	26	25	28	27	29
	UQ																								
	LQ																								
M(3000)F2	MED	332	315	320	305	302	310	310	340	340	335	330	330	320	310	320	325	320	330	335	330	300	320	325	328
	CNT	26	25	27	28	28	30	30	31	31	30	31	30	29	29	28	29	27	31	31	29	30	31	31	26
	UQ																								
	LQ																								
foF1	MED											U 440	470	460	450	U 420	U 430	U 340			U 200				
	CNT											4	12	12	7	[illegible]	1	1			1				
foE	MED	E	E	F	E	E	F	E	188	265	300	320	330	330	330	315	295	255	190	E	E	E	E	E	E
	CNT	16	20	17	19	23	26	30	28	31	28	30	24	23	23	26	29	27	19	14	7	7	6	8	10
h'E	MED	E	E	E	E	E	F	E		125	120	11[illegible]	110	U 105	U 108	U 110	115	122	E	E	F	E	F	E	E
	CNT	16	20	17	19	23	26	30		29	26	[illegible]	12	3	4	[illegible]	13	8	4	14	7	7	6	8	10
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U	U [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	34	[illegible]	[illegible]	[illegible]	30	24	24	[illegible]	[illegible]	21	16
	CNT	29	31	31	41	31	41	31	[illegible]	7	260	29	30	28	28	27	29	41	31	29	24	21	17	15	30

SWEEP 1.2[illegible] MC TO 20.0 MC. JULY, 1961

TABLE 85

TOWNSVILLE, AUSTRALIA (19.3S, 146.7E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	39	36	36	U 36	30	30	32	U 56	70	D 74	81	U 82	74	75	74	72	74	D 68	U 62	U 48	39	U 38	U 38	U 39
	CNT	5	12	16	14	16	14	24	18	19	16	22	22	21	22	23	22	20	23	20	23	21	20	15	11
	UQ																								
	LQ																								
h'F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	265	260	250	260	265	255	240	240	240	215	215	210	200	200	215	245	240	230	250	250	270	280	270
	CNT	24	25	25	23	24	21	25	24	23	23	20	18	16	11	12	10	18	26	25	26	24	26	27	25
	UQ																								
	LQ																								
M(3000)F2	MEO		320	320	350	310	310	315	340	350	345	350	345	345	330	335	325	345	340	330	315	320	290	305	310
	CNT	4	9	14	6	10	12	20	10	12	6	13	12	16	19	15	17	13	11	12	17	15	12	8	6
	UQ																								
	LQ																								
foF1	MED											440	450	460	450	440	440								
	CNT									1	2	10	16	14	11	10	8	1	1						
foE	MED								180	250	300	320	330	340	340	330	310	280	230	E 170					
	CNT								22	20	23	21	23	23	19	22	18	16	15	12					
h'E	MEO																								
	CNT																								
foEs	MEO																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. JULY, 1961

TABLE 86

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	D 69	D 70	D 70	U 59	U 47	U 52	U 57	67	66	65	68	72	80	91	93	96	100	100	98	91	74	D 70	65	68
	CNT	25	23	19	22	23	22	27	27	24	25	24	24	26	24	27	27	28	28	26	28	27	25	23	24
	UQ	78	84	80	66	60	58	62	73	73	70	72	76	87	96	101	102	104	108	105	96	84	74	74	78
	LQ	59	60	59	42	45	43	52	59	60	62	64	70	75	84	84	90	91	90	90	74	67	61	60	59
h'F2	MED								261	E 283	338	E 366	408	407	370	367	364	340	312	288	U 261				
	CNT							1	17	14	19	22	21	27	25	28	28	28	29	25	5				
	UQ								273	322	389	389	445	442	400	389	386	357	336	302	264				
	LQ								250	263	308	344	384	377	340	344	346	322	292	274	240				
h'F	MEO	U 327	U 305	273	E 290	282	U 289	261	239	240	E 248	E 230	238	U 210	E 238	226	U 240	E 253	244	248	258	279	U 304	U 334	U 334
	CNT	30	30	28	28	29	26	29	20	20	17	16	17	15	12	14	11	18	14	15	27	29	28	28	25
	UQ	355	328	305	318	310	315	267	246	259	262	262	295	238	245	260	265	300	262	263	278	310	338	340	368
	LQ	300	288	250	256	260	258	250	230	222	226	212	207	204	213	211	234	237	231	243	243	250	281	315	318
M(3000)F2	MEO	275	U 285	U 310	U 300	U 290	U 295	330	340	325	300	280	260	260	270	270	275	280	290	300	305	290	270	270	270
	CNT	15	16	15	13	12	15	27	24	22	24	22	22	26	22	26	27	27	27	26	28	27	23	19	19
	UQ	285	300	350	305	305	310	330	350	335	320	300	275	270	275	280	280	295	310	310	320	300	285	275	280
	LQ	270	270	290	275	280	280	315	325	310	290	255	255	245	260	260	265	275	280	290	290	270	265	260	260
foF1	MED											490	500	490	490	490	465	450							
	CNT										2	10	11	13	10	11	6	10	1						
foE	MED																								
	CNT								2	3	1		1	2			1	2	3	1					
h'E	MEO								116	113	U 110	U 110	110	110	109	U 112	E 110	110		E 122					
	CNT								11	15	20	19	19	11	10	10	9	7	3	5					
foEs	MED	50	44	48	40	35	32	34	44	58	67	71	65	61	64	56	70	55	62	48	49	50	47	44	52
	CNT	28	28	27	27	27	26	26	28	28	280	27	27	25	26	27	26	27	27	26	27	27	27	28	28

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1961

TABLE 87

LEOPOLDVILLE, CONGO (4.4S, 15.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEO	50	47	U 33	30	U 30	41	67	84	84	100	98	113	112	111	111	107	111	U 131		U 60		40	48	50
	CNT	10	12	9	11	8	25	12	15	21	18	18	16	11	23	25	22	17	9	2	5	3	11	14	11
	UQ																								
	LQ																								
h'F2	MEO																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEO																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MEO	322	331	U 308	314	U 298	307	315	302	300	293	287	281	279	270	273	277	290	U 295		U 325		293	304	307
	CNT	10	14	9	11	8	25	12	15	21	18	17	17	21	23	25	22	18	9	2	5	3	10	11	11
	UQ																								
	LQ																								
foF1	MED																								
	CNT											4	2	1		2									
foE	MED								U 300			U 360													
	CNT								8	4	4	5	1		1	4	4								
h'E	MED									U 110	U 110	U 110	U 110	U 110	U 110			U 115							
	CNT						1	4	4	5	8	5	5	3	8	4	3	5							
foEs	MEO																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 7 SECONDS. JUNE, 196.

TABLE 88

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 80	80	D 76	D 68	U 59	53	56	68	72	74	82	89	98	106	115	120	122	120	118	110	90	79	79	79
	CNT	30	30	30	30	29	27	30	29	27	29	27	27	30	31	31	31	30	31	31	30	31	31	31	31
	UQ	89	90	87	74	66	62	66	80	75	79	87	95	104	119	125	130	133	133	127	125	103	94	86	88
	LQ	70	70	67	62	50	43	49	64	67	68	75	81	91	100	99	106	108	108	105	99	78	70	67	70
h'F2	MEO								272	286	E 312	343	350	360	344	336	324	303	289	269					
	CNT								10	14	11	15	25	29	31	30	31	30	30	29					
	UQ								308	308	353	393	384	420	389	370	348	330	317	295					
	LQ								263	255	304	323	330	340	319	310	297	283	265	257					
h'F	MED	305	280	E 265	260	260	273	250	236	U 221	213	U 226	U 220	U 223	E 240	U 227	U 218	U 229	238	248	240	248	269	U 297	320
	CNT	31	31	31	31	31	25	31	24	19	21	23	22	20	24	19	25	24	25	24	30	31	31	31	31
	UQ	327	297	280	284	280	300	270	256	235	246	248	240	250	289	250	243	250	248	260	260	263	287	337	339
	LQ	286	271	250	231	226	240	240	226	216	210	212	199	202	219	218	210	210	228	236	230	223	248	263	297
M(3000)F2	MED	U 270	U 285	300	300	U 300	305	315	320	320	290	270	265	270	280	285	290	290	300	310	320	295	275	265	270
	CNT	21	23	25	24	25	22	29	29	27	29	27	24	29	31	29	30	28	29	29	28	29	26	24	21
	UQ	280	295	310	320	310	320	330	345	330	310	290	280	280	290	295	300	305	310	320	325	310	290	280	275
	LQ	270	280	295	280	280	295	250	310	305	275	240	250	260	265	270	280	285	290	290	305	280	265	260	250
foF1	MED											485	U 490	410	U 500	U 490	U 485								
	CNT											6	5	13	13	11	14	4	1						
foE	MEO																								
	CNT													1		1	2	2	2						
h'E	MEO									E 118	U 110	110	110	E 114	112	115	110	U 113	E 124						
	CNT								1	9	13	17	17	18	16	15	14	9	5	1					
foEs	MEO	47	41	33	30	35	34	29	38	54	56	56	58	50	58	55	40	44	39	32	38	36	37	34	46
	CNT	22	23	27	24	25	22	27	30	30	300	30	31	31	31	31	31	31	31	30	27	22	25	25	23

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY, 196.

TABLE 89

LEOPOLDVILLE, CONGO (4.4S, 15.2E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	44	34	28	24	43	66	80	88	91	104	111	117	121	122	124	126	127	133		U 46	U 40	52	55
	CNT	15	18	21	22	21	28	16	23	22	24	20	22	21	27	28	24	18	14	11	4	5	6	10	13
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	308	312	310	305	315	315	320	303	295	282	279	275	267	270	272	272	276	280	297		U 337	U 274	U 297	309
	CNT	13	18	21	22	21	28	16	23	22	24	20	23	21	27	28	24	18	14	10	4	5	5	8	13
	UQ																								
	LQ																								
foF1	MED										U 460	U 460	U 460												
	CNT										6	7	5	3	1										
foE	MED							U 240	300	U 340	350			U 360	U 350										
	CNT							5	10	7	14	3	4	5	5	2	2	2							
h'E	MED							117	U 110	U 110	110	110	110	110	110	100	U 115								
	CNT						4	16	7	8	15	22	16	12	12	10	5	1							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. MAY, 1961

TABLE [illegible]

LEOPOLDVILLE, [illegible] (4.4S, 15.2E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	42	37	29	24	42	U 70	84	92	105	U 110	120	127	130	131	137	134	127	U 143					
	CNT	10	14	14	14	15	16	7	13	17	11	9	14	15	17	13	16	15	11	6	2	2	2	3	4
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	304	302	300	316	327	313	U 320	299	281	261	U 250	253	261	261	260	264	268	273	U 276					
	CNT	10	14	14	14	15	16	7	13	17	12	9	14	15	17	13	16	16	11	5	2	2	2	3	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT									1	3	4	2	2	2										
foE	MED							U 240	300	U 340	U 360														
	CNT							5	12	5	8	1	1	2	3	2	4	2							
h'E	MED								U 110		U 110	110	110	U 110	U 110	U 110	U 115	U 120							
	CNT						2	4	6	4	9	12	10	6	7	8	7	6							
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 7 SECONDS. APRIL, 1961

TABLE 91

WARSAW, POLAND (52.2N, 21.2E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 30	30	U 30	U 30	U 28	26	U 26	U 34	U 61	U 78	U 85	U 83	U 85	U 65	U 73	U 74	U 65	U 52	U 39	U 34	U 32	U 29	U 30	U 30
	CNT	27	29	26	25	25	20	17	27	29	27	29	27	26	27	28	28	30	28	28	23	23	21	18	21
	UQ	33	32	33	34	32	28	30	39	69	82	90	92	94	90	84	79	70	59	48	37	36	32	34	32
	LQ	27	26	25	24	20	22	22	30	54	63	73	73	80	80	74	72	62	44	34	29	27	28	28	28
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	E 280	E 285	E 290	E 280	E 265	E 250	E 270	E 240	220	220	220	215	220	220	220	215	210	E 210	E 220	E 240	E 250	E 260	E 290	E 280
	CNT	29	29	26	28	25	22	19	27	29	27	29	27	27	27	28	29	30	28	28	27	26	27	22	26
	UQ	305	300	300	295	295	285	290	260	225	230	220	220	230	225	225	220	215	220	230	260	270	270	300	300
	LQ	260	260	275	265	245	245	250	230	210	210	215	215	210	220	215	210	200	200	210	230	240	240	250	270
M(3000)F2	MED	285	280	280	280	300	295	U 300	U 310	U 345	U 350	U 345	U 345	U 345	U 350	U 350	U 350	[illegible]	335	[illegible]	420	310	U 300	285	U 285
	CNT	16	[illegible]	21	15	16	17	10	21	15	14	23	24	22	23	20	23	14	[illegible]	21	17	13	14	10	14
	UQ	295	[illegible]	290	295	315	315	315	320	[illegible]	[illegible]	355	355	[illegible]	[illegible]	[illegible]	355	[illegible]	[illegible]	[illegible]	[illegible]	320	310	310	290
	LQ	270	270	270	270	290	280	290	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	340	[illegible]	[illegible]	295	285	285	275	265
foF1	MED																								
	CNT																								
foE	MED									180	225	U 260	270	[illegible]	270	230	[illegible]								
	CNT									6	4	7	7	10	13	4	[illegible]								
h'E	MED									E 111	107	107	105	105	107	115	119								
	CNT									7	11	11	12	1	15	9	14	1							
foEs	MED	E [illegible]	F	F	F	E	E 14	E 16	E 16	E 12	F 24	[illegible]	F 28	E 28	[illegible]	E 25	[illegible]	E 17	E 11	E 14	F 15	15	F 15	F [illegible]	E 15
	CNT	[illegible]	20	[illegible]	24	25	24	24	27	29	250	[illegible]	7	7	27	28	28	30	29	28	27	26	27	[illegible]	26

SWEEP 1.0 MC T 18.0 MC IN 2[illegible] SECONDS. JANUARY, 1961

TABLE 92

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 43	U 41	39	34	27	U 26	U 30	D 36	75	91	103	D 114	D 124	D 124	D 125	U 124	D 114	D 108	84	U 74	76	69	52	U 44
	CNT	31	31	31	30	29	25	17	28	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	30
	UQ	46	50	47	41	32	30	34	38	83	109	114	124	130	130	130	130	130	116	104	82	89	83	58	48
	LQ	36	34	31	28	23	23	26	35	70	77	83	121	107	110	117	116	110	93	73	66	67	62	43	40
h'F2	MED										240	258	263	262	270	263	260	246							
	CNT									3	22	19	23	22	24	27	26	26	4						
	UQ										250	263	270	281	284	279	273	258							
	LQ										234	248	248	256	262	258	258	239							
h'F	MED	E 244	267	240	248	248	E 317	E 338	E 292	240	241	221	215	E 218	210	E 216	219	230	227	216	E 226	228	219	U 235	E 282
	CNT	31	31	31	30	29	25	16	29	31	[illegible]	31	31	30	31	30	31	31	31	31	30	31	31	31	30
	UQ	30[illegible]	288	251	259	307	361	340	320	247	235	229	220	230	219	229	228	237	231	221	234	238	228	250	31[illegible]
	LQ	258	253	230	220	230	[illegible]	240	278	220	225	210	204	227	204	208	212	224	220	207	218	218	208	223	257
M(3000)F2	MED	[illegible]	[illegible]	320	315	[illegible]	U 283	U 290	U 31[illegible]	340	340	320	320	320	[illegible]	U 310	U 310	320	U 340	U 332	U 315	[illegible]	U [illegible]	[illegible]	U [illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	24	17	[illegible]	22	[illegible]	[illegible]	19	19	14	11	11	[illegible]	13	14	2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	320	31[illegible]	[illegible]	[illegible]	335	330	325	320	310	320	430	350	340	325	335	345	340	[illegible]
	LQ	[illegible]	[illegible]	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	310	300	300	300	310	310	325	[illegible]	310	310	290	270
foF1	MED																								
	CNT																								
foE	MED														U [illegible]	[illegible]	[illegible]	[illegible]							
	CNT										1	4	[illegible]		[illegible]	[illegible]	[illegible]								
h'E	MED											E 117	E 11[illegible]	E 114	[illegible]	E [illegible]	[illegible]	[illegible]							
	CNT										2	1[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]	1[illegible]	[illegible]							
foEs	MED										32	40	38	41	[illegible]	42	[illegible]	[illegible]	24	3[illegible]	43	[illegible]			
	CNT	4	1[illegible]	1[illegible]	2[illegible]	2[illegible]	[illegible]	1	2	3	160	2[illegible]	22	24	24	3[illegible]	[illegible]	[illegible]	2[illegible]	1[illegible]	15	11	[illegible]	8	4

SWEEP 1.0 [illegible] T 2[illegible].0 MC IN 17 SECONDS. JANUARY, 1961

[illegible]

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MEDQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MEDQ																								
	CNT																								
foE	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		U			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	U	U	U	U
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MEDQ																								
	CNT																								
foEs	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP JANUARY, 1961

[illegible] TIME 120.0*

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MEDQ										240	240	250		250	260	240	245	240						
	CNT										1	3	2		2	3	1	1	1						
	UQ																								
	LQ																								
h'F	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MEDQ																								
	CNT																								
foE	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MEDQ																								
	CNT																								
foEs	MEDQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 26.0 MC IN [illegible] SECONDS. DECEMBER, 196[illegible]

*The medians given in this table were determined from the daily observations taken December 13 through December 31 only

TABLE 95

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEDQ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	CNT	52	52	54	52	57	56	55	63	62	71	70	60	53	52	54	50	50	48	46	45	46	45	48	50
	UQ	26	22	21	20	17	20	19	24	25	23	27	27	26	23	23	26	27	24	23	23	24	18	20	22
	LQ																								
h'F2	MEDQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEDQ	250	240	220	220	200	205	220	225	220	225	220	220	220	220	250	250	275	290	300	305	300	285	U 290	U 270
	CNT	21	18	20	16	11	8	13	15	16	23	25	21	20	18	15	22	23	21	23	22	22	21	20	20
	UQ																								
	LQ																								
M(3000)F2	MEDQ	U 260	U 245	U 240	U 235	U 245	U 245	U 240	U 240	U 240	U 240	U 245	U 245	U 250	U 260	U 290	U 290	U 290	U 300	U 285	U 280	U 270	U 280	U 270	U 270
	CNT	22	17	20	18	17	15	18	23	23	26	26	27	24	20	21	24	25	22	23	21	22	17	19	21
	UQ																								
	LQ																								
foF1	MEDQ	U 380	U 400	U 410	U 420	U 450	U 470	U 460	U 460	480	460	470	U 450	U 440	U 430	U 390									U 340
	CNT	18	16	14	17	12	10	14	16	17	22	23	21	22	19	9	4	3					1	1	9
foE	MEDQ	E 100	260	300	300	U 330	U 350	U 360	350	350	U 350	U 340	330	U 300	U 300	U 290					E 100	E 100	E 100	E 100	E 100
	CNT	12	11	21	17	12	11	14	15	19	19	19	17	18	15	9	2	3	1	3	6	5	10	12	13
h'E	MEDQ	E	E	E	E									E		E					E	E	E	E	E
	CNT	13	14	115 20	105 17	100 16	100 13	100 17	100 19	100 19	100 19	100 19	100 21	105 21	110 19	9	2	3	1	3	6	5	10	12	13
foEs	MEDQ																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. DECEMBER, 1960

TABLE 96

MAWSON, ANTARCTICA (67.6S, 62.9E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MEDQ	U	U	U	U	U	U	U	U	78	76	U 69	80	66	U 55	U 50	U 48	U 44	U 36	U 36	U 35	U 43	U 44	U 42	U 46
	CNT	55	53	55	57	66	72	71	77	21	27	27	21	23	25	24	26	19	22	19	22	22	18	21	19
	UQ	20	18	19	17	17	18	19	18																
	LQ																								
h'F2	MEDQ																								
	CNT																								
	UQ																								
	LQ																								
h'F	MEDQ	290	U 290	U 270	U 230	U 210	U 225	U 240	U 235	240	240	U 250	245	255	260	U 265	U 255	U 285	U 295	U 280	U 300	E 300	U 285	U 280	300
	CNT	18	15	17	16	14	14	10	13	11	16	17	19	17	23	24	24	20	22	20	20	22	17	22	18
	UQ																								
	LQ																								
M(3000)F2	MEDQ	U 265	U 255	U 255	U 240	U 240	U 245	U 245	U 245	250	250	U 250	260	275	U 285	U 290	U 280	U 275	U 270	U 265	U 265	U 260	U 260	U 260	U 265
	CNT	18	13	18	17	16	16	18	18	18	26	24	20	22	24	20	22	17	19	17	19	19	16	19	17
	UQ																								
	LQ																								
foF1	MEDQ		U 340	U 390	U 400	U 430	U 470	U 480	U 500	480	470	U 460	U 420	U 390											
	CNT	1	7	13	12	11	14	13	14	12	17	17	15	10	3	2									
foE	MEDQ	E 100	E 100	270	U 280	U 300	U 320	330	340	330	330	300	300	270	E 100	E 100	E 100	E 100	E 100		E 100	E 100	E 100		E 100
	CNT	9	11	11	14	18	18	16	16	11	14	16	15	15	10	13	10	10	6	3	7	6	6	4	13
h'E	MEDQ	F	E		150	110	110	110	110	110	110	110	115	130	E	E	E	E	E		E	E	E		E
	CNT	9	11		11	15	15	18	15	16	11	15	13	14	13	10	13	10	10	6	3	7	6	6	4	13
foEs	MEDQ																								
	CNT																								

SWEEP 1.0 MC TO 20.0 MC IN 15 SECONDS. OCTOBER, 196[illegible]

TABLE 97

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 36	U 36	U 37	U 36	U 38	U 40	U 30	U 36	U 62	D 74	D 53	D 98	D 89	D 86	D 88	D 78	D 75	D 60	D 56	D 58	D 54	C 45	U 36	U 36
	CNT	6	7	7	7	7	7	6	7	4	4	1	4	4	5	2	4	4	3	2	3	3	5	5	5
	UQ																								
	LQ																								
h'F2	MED										U 210		255	255	250	240	235	U 235	U 210						
	CNT										1		5	8	6	5	5	4	1						
	UQ																								
	LQ																								
h'F	MED	300	360	310	290	280	215	U 250	250	220	240	U 225	U 220	U 220	U 215	U 240	U 230	220	U 220	U 210	230	U 250	U 230	280	U 290
	CNT	6	7	7	5	6	7	3	5	6	7	1	3	3	4	2	3	5	3	4	5	4	4	5	4
	UQ																								
	LQ																								
M(3000)F2	MED	275	260	260	270	300	350	290	305	U 365			U 340					U 370		U 315	U 315	U 320	U 290	300	290
	CNT	6	7	7	7	6	[illegible]	6	6	2			1					1		1	1	1	2	5	5
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									U 260															
	CNT									1															
h'E	MED									U 161	U 104	U 103	U 107	U 105	U 111	U 115	U 107	U 115	U 119						
	CNT									2	1	1	2	2	2	2	2	[illegible]	1						
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. AUGUST, 1960

TABLE 98

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	38	37	37	38	41	36	37	U 73	D 76	D 90	D 95	D 98	D 92	D 95	D 85	D 95	U 85	52	55	D 53	50	42	37
	CNT	14	14	13	13	12	13	10	12	5	7	7	8	3	8	7	12	7	3	11	9	11	10	13	15
	UD																								
	LD																								
h'F2	MED												240	245	230	U 245	U 230	U 230							
	CNT												8	5	5	4	3	1							
	UQ																								
	LQ																								
h'F	MED	340	U 325	220	320	290	265	300	270	220	220	230	230	220	235	235	230	230	220	210	230	245	230	260	330
	CNT	14	15	11	13	11	11	8	12	13	13	7	12	10	8	11	15	16	18	18	12	15	14	12	12
	UD																								
	LQ																								
M(3000)F2	MED	255	270	275	270	285	280	275	300	U 340	U 360	U 345	U 365	U 365	U 340	U 330	U 330	U 320	U 350	310	290	295	300	280	260
	CNT	15	13	12	11	11	11	10	11	3	4	3	3	1	3	2	4	3	2	7	8	5	8	10	14
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED									250	U 310	U 335				U 370	U 330	U 280	U 225						
	CNT									7	3	2				1	3	1	2						
h'E	MED									149	119	U 105	115	109	113	109	115	115	151						
	CNT									10	5	3	9	9	10	10	5	1	2						
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. JULY, 1960

TABLE 99

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	37	38	38	37	38	38	36	37	65	[illegible]	U 42	D [illegible]	D [illegible]	[illegible]	[illegible]	[illegible]	40	U 74	51	54	55	47	39	38
	CNT	20	18	16	20	19	17	15	15	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9	[illegible]	5	12	10	11	14	14	18
	UD																								
	LD																								
h'F2	MED												U 230	220	240	U 230	U 240								
	CNT												3	5	4	3	1								
	UQ																								
	LD																								
h'F	MED	350	325	320	300	300	275	300	255	[illegible]	[illegible]	220	230	220	220	235	225	220	205	205	230	230	240	300	340
	CNT	18	17	15	19	17	15	15	14	17	17	13	14	14	14	10	14	16	15	13	12	14	13	11	16
	UQ																								
	LQ																								
M(3000)F2	MED	255	265	270	270	275	290	280	245	U 290	U 305	U 330	335	U 340	U 330	U 330	340	U 400	U 320	410	310	320	310	290	260
	CNT	18	17	14	16	17	16	14	[illegible]	[illegible]	[illegible]	4	5	4	5	4	[illegible]	[illegible]	4	8	8	7	12	13	17
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED								U 200	235	300			U 340	[illegible]		U 310	U 220							
	CNT								3	10	6			2	[illegible]		1	[illegible]							
h'E	MED								U 167	161	115	109	105	103	[illegible]	[illegible]	[illegible]	U 114							
	CNT								2	6	7	5	9	13	[illegible]	7	5	4							
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. JUNE, [illegible]

TABLE [illegible]

TRELEW, ARGENTINA (43.2S, 65.3W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	35	36	37	36	37	[illegible]	36	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43	36	38	[illegible]
	CNT	9	11	11	11	11	11	9	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	8	[illegible]
	UQ																								
	LQ																								
h'F2	MED												[illegible]	U [illegible]											
	CNT													1											
	UD																								
	LD																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	310	300	250	300	[illegible]	[illegible]	U [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	250	300	350
	CNT	[illegible]	10	[illegible]	[illegible]	11	11	7	8	[illegible]	7	4	[illegible]	[illegible]	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7	[illegible]	[illegible]
	UD																								
	LD																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	U 340	U [illegible]	U [illegible]	U 340	U [illegible]	U 320	U 245	U 330	U 325	U 300	U 325	310	[illegible]	[illegible]	[illegible]	250
	CNT	[illegible]	10	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	4	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UD																								
	LD																								
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								1	[illegible]	[illegible]	1		1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED																								
	CNT																								

SWEEP 1.3 MC TO 18.0 MC IN 30 SECONDS. [illegible]

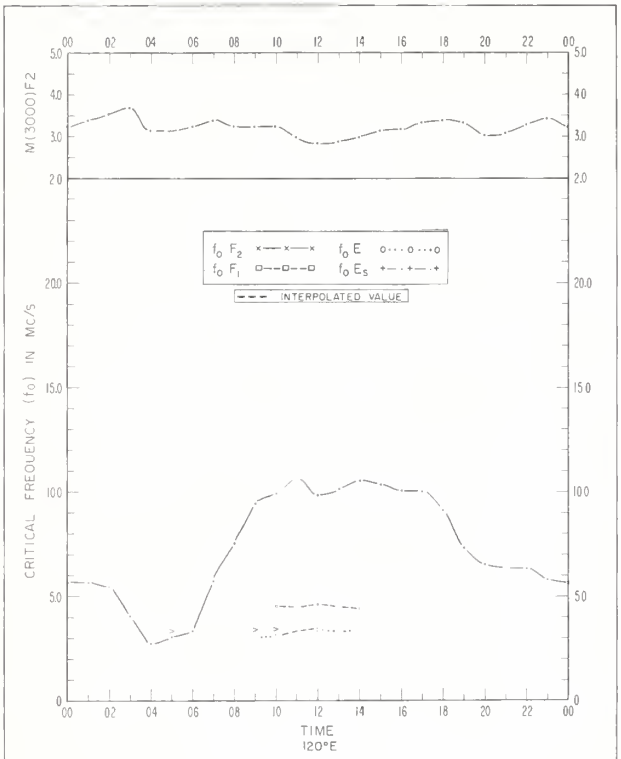

Fig 1 BAGUIO, LUZON
16.4°N, 120.6°E DECEMBER 1962

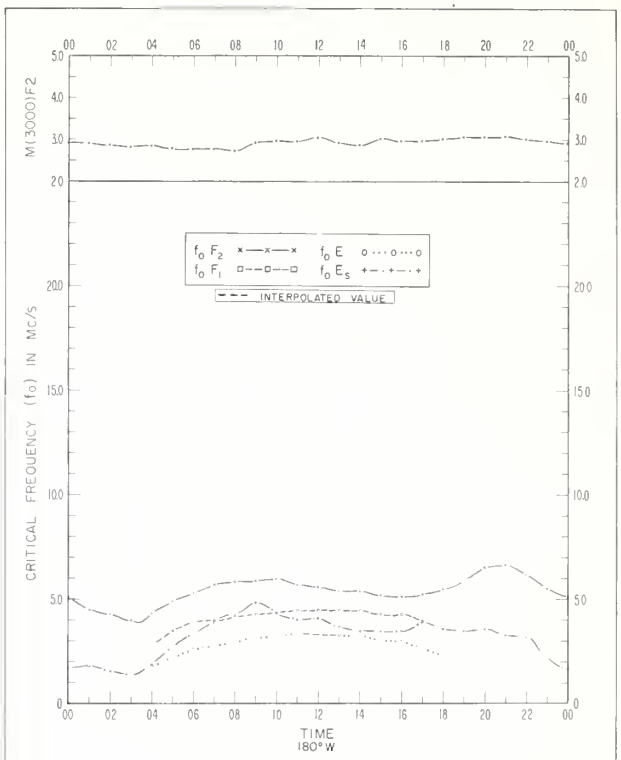

Fig 2 ADAK, ALASKA
51.9°N, 176.6°W JUNE 1962

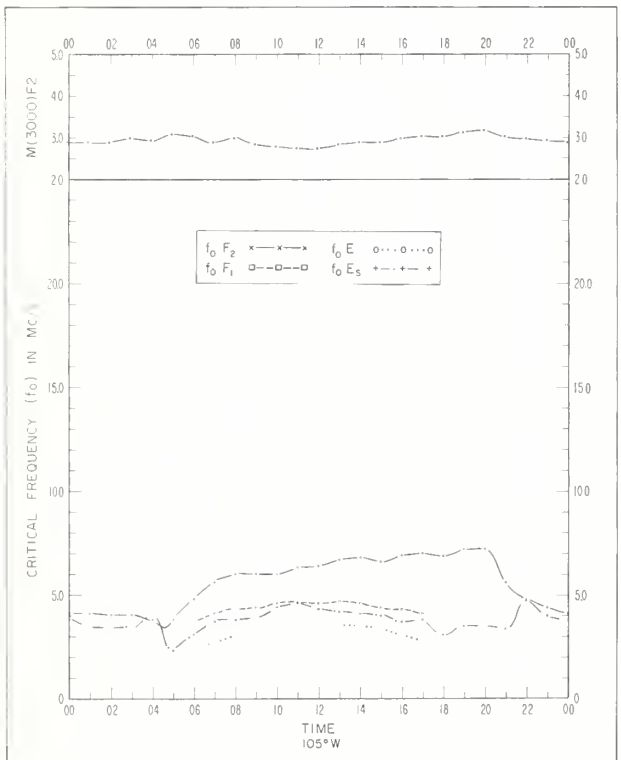

Fig 3 WHITE SANDS, NEW MEXICO
32.3°N, 106.5°W JUNE 1962

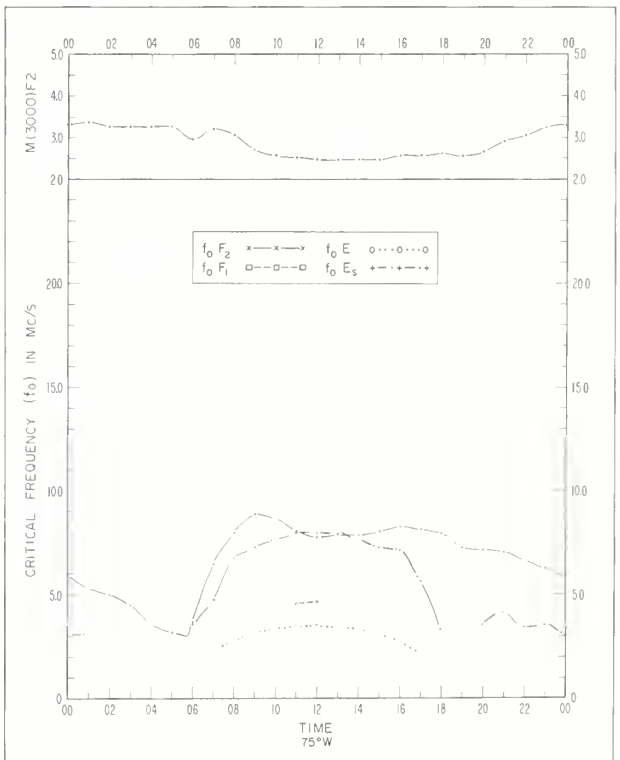

Fig 4 HUANCAYO, PERU
12.0°S, 75.3°W MAY 1962

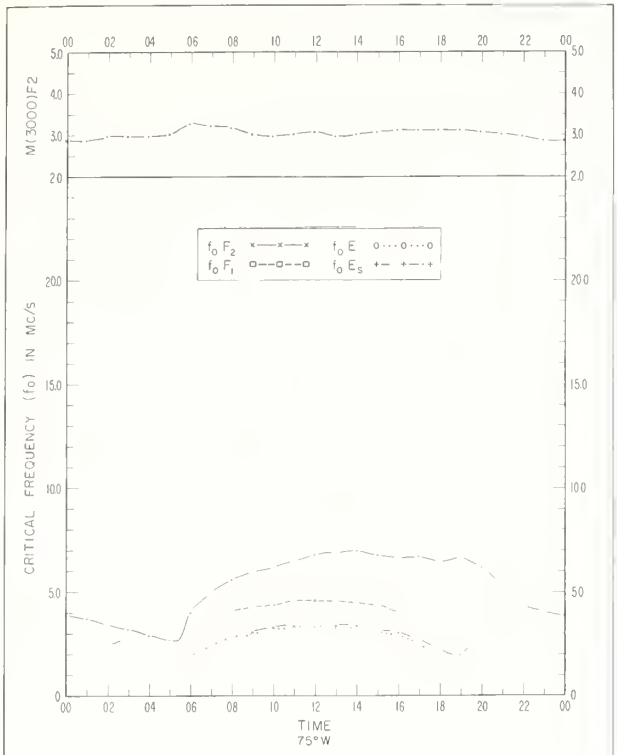

Fig 5 WASHINGTON, D C
38 7°N, 77 1°W
APRIL 1962

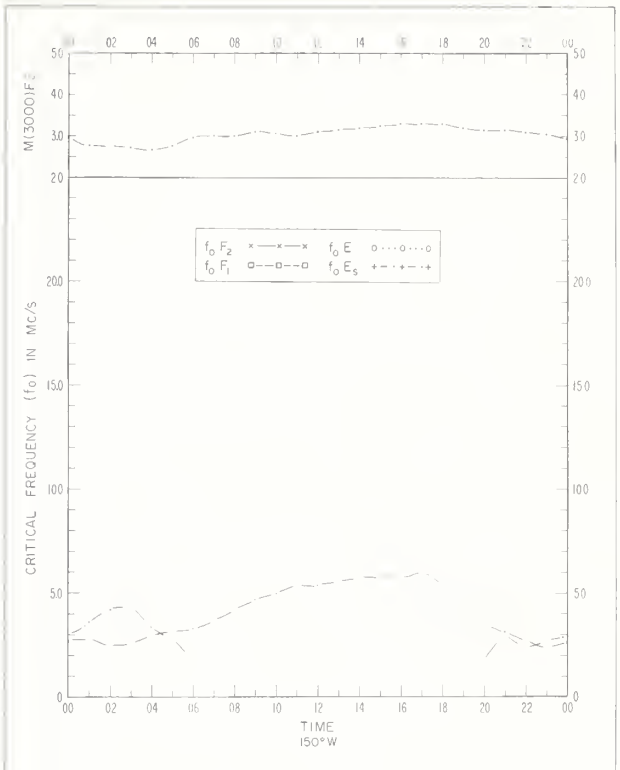

Fig 6 FAIRBANKS, ALASKA
64 9°N, 147.8°W
MARCH 1962

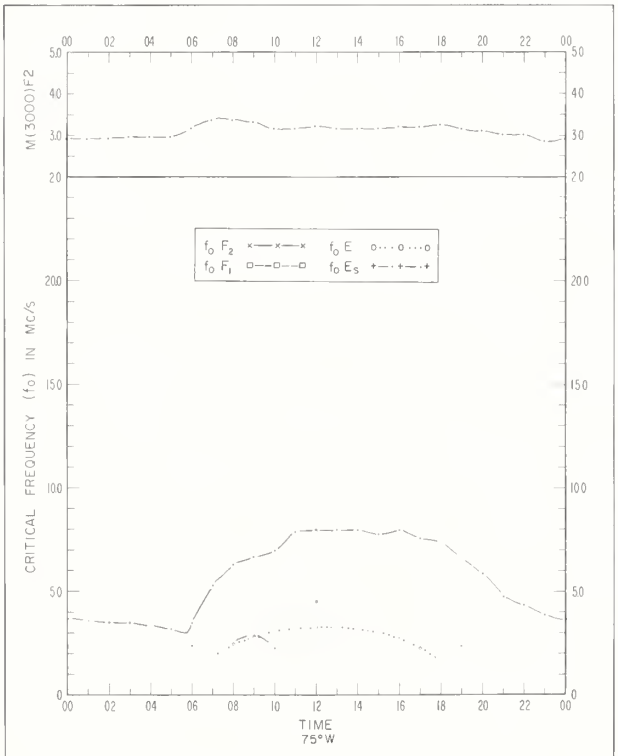

Fig 7 WASHINGTON, D C.
38.7°N, 77 1°W
MARCH 1962

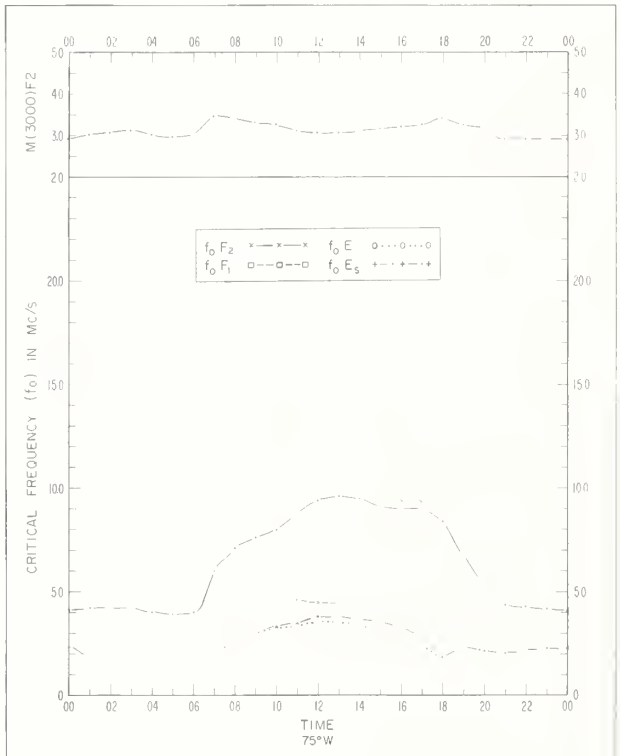

Fig 8 GRAND BAHAMA I
26 6°N, 78 2°W
MARCH 1962

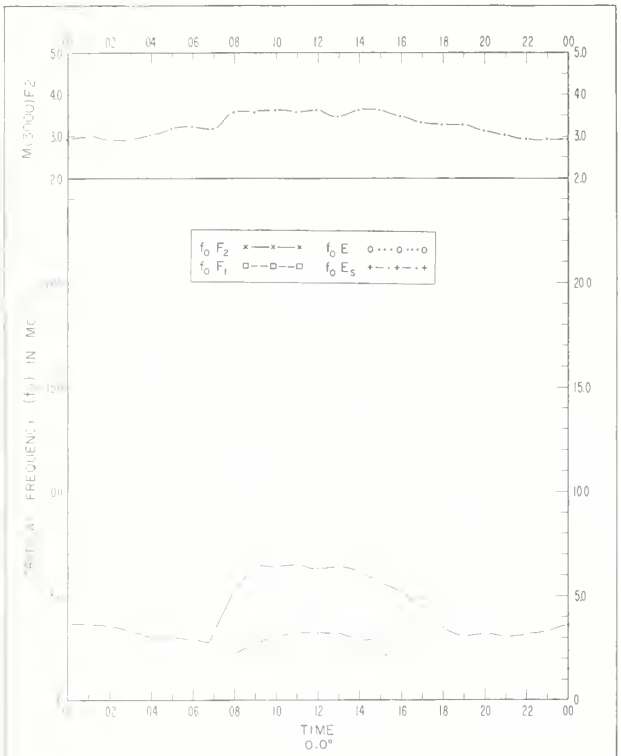

Fig 9 GARCHY, FRANCE
47 3°N, 3 1°E JANUARY 1962

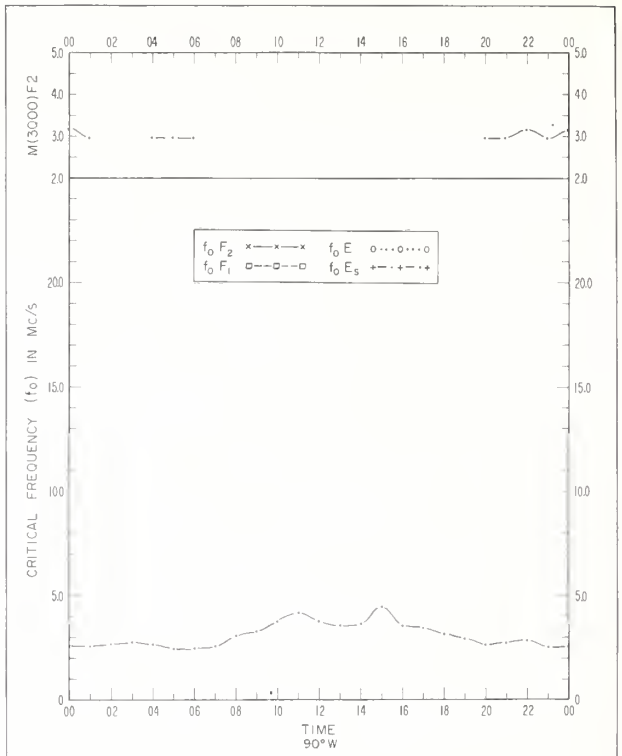

Fig 10 RESOLUTE BAY, CANADA
74 7°N, 94 9°W DECEMBER 1961

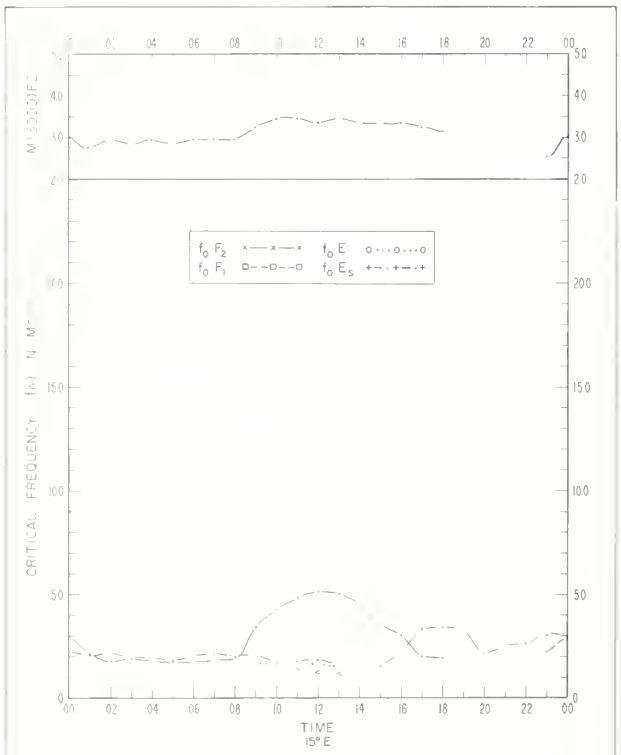

Fig 11 LULEA, SWEDEN
65 6°N, 22 1°E DECEMBER 1961

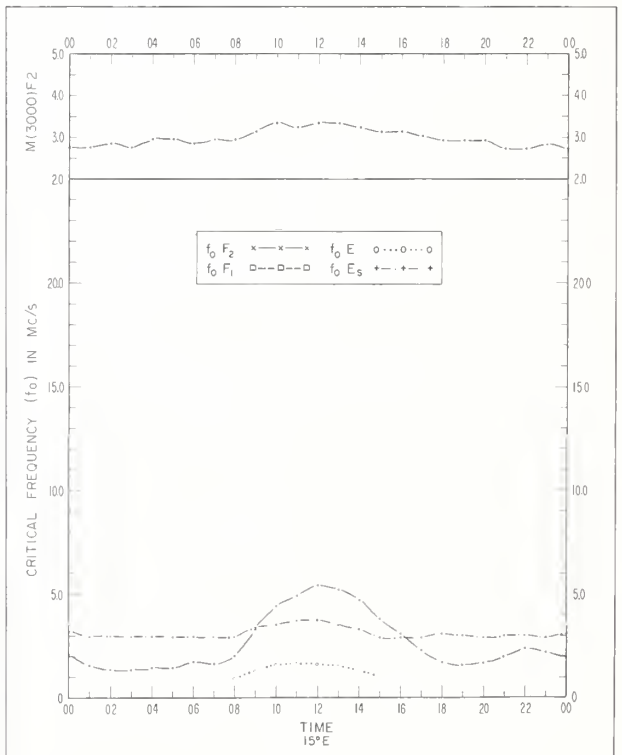

Fig 12 LYCKSELE, SWEDEN
64 7°N, 18 8°E DECEMBER 1961

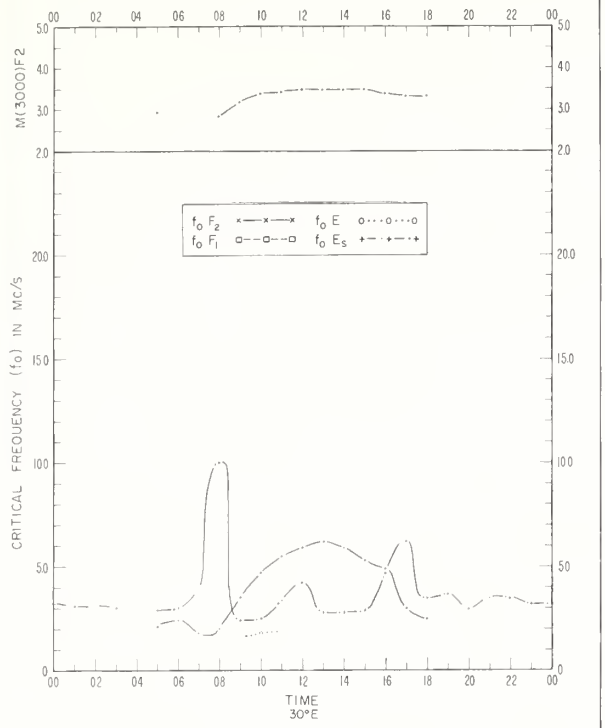

Fig. 13. NURMIJARVI, FINLAND
60.5°N, 24.6°E DECEMBER 1961

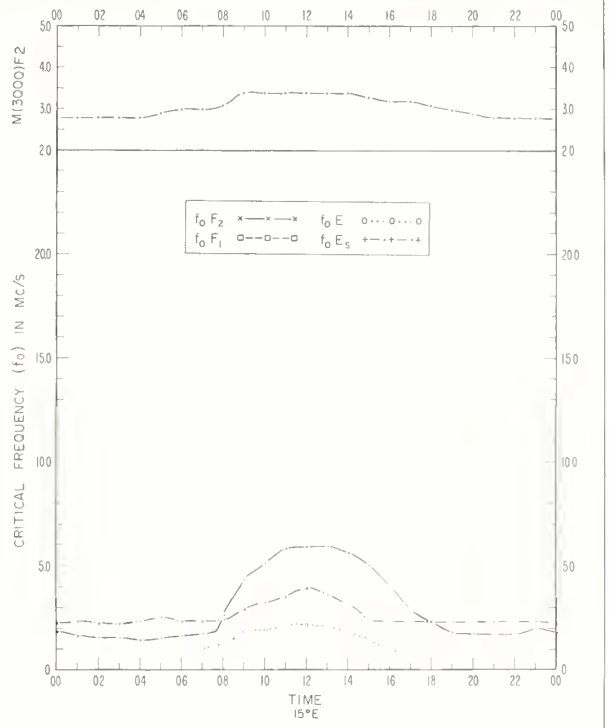

Fig 14 UPPSALA, SWEDEN
59.8°N, 17.6°E DECEMBER 1961

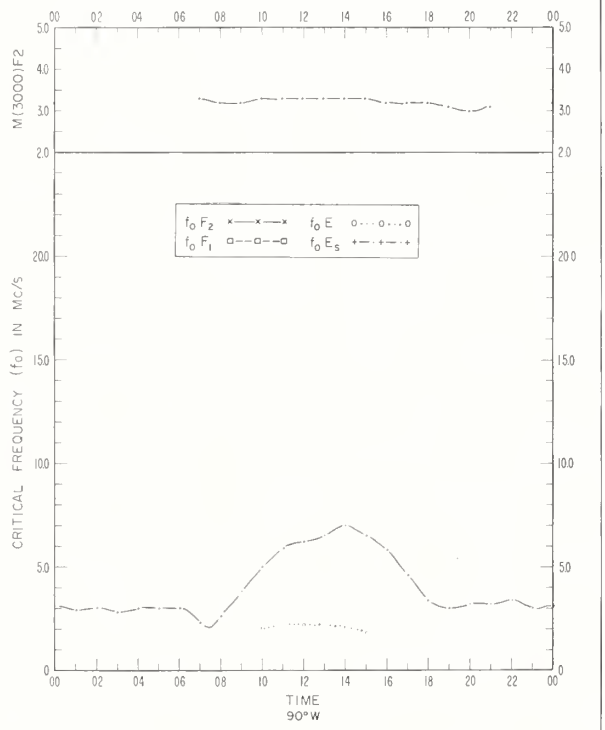

Fig. 15. CHURCHILL, CANADA
58.8°N, 94.2°W DECEMBER 1961

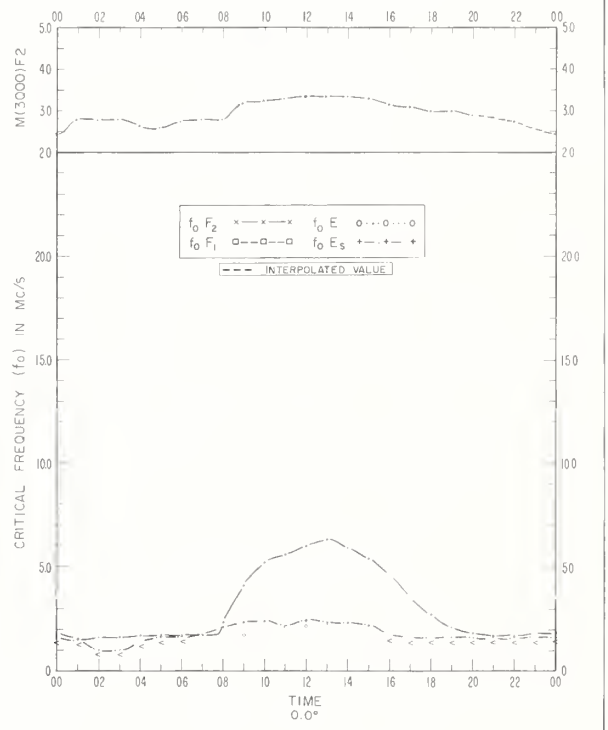

Fig 16. INVERNESS, SCOTLAND
57.4°N, 4.2°W DECEMBER 1961

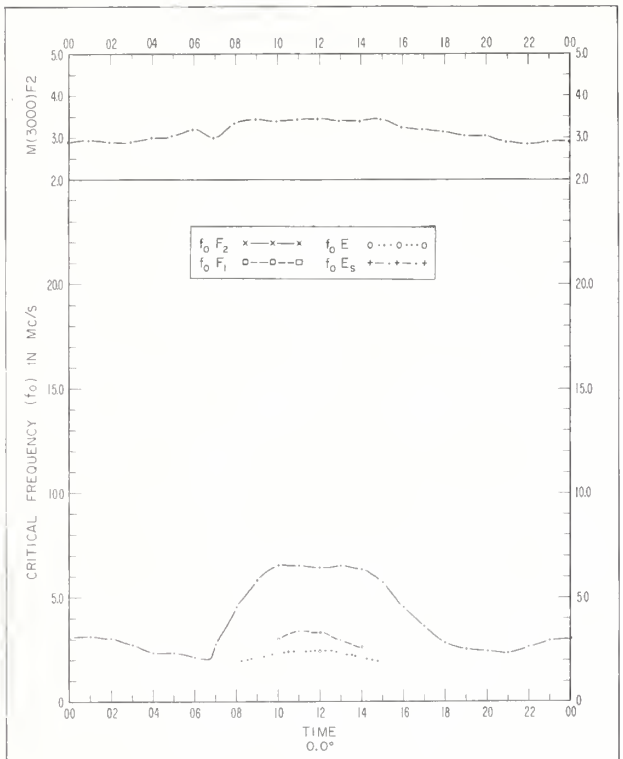

Fig 17 De BILT, NETHERLANDS
52 1°N, 5.2°E DECEMBER 1961

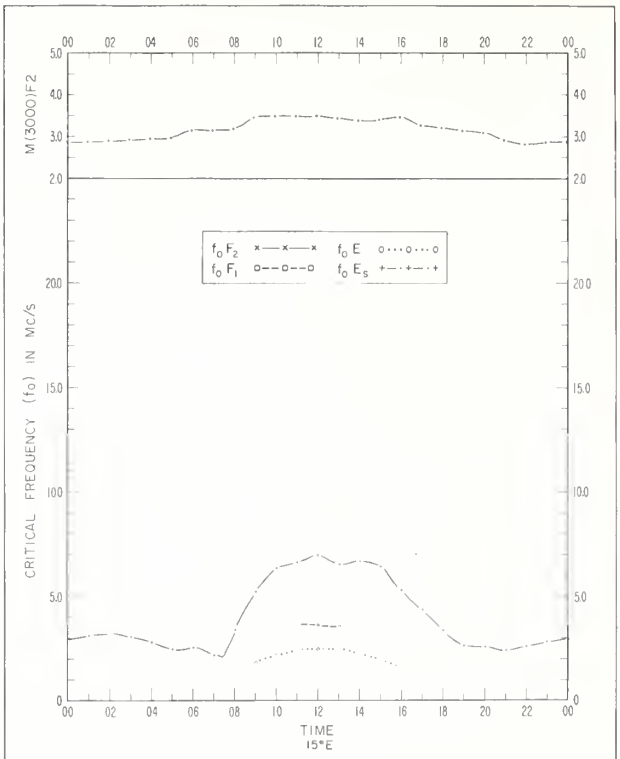

Fig 18. LINDAU/HARZ, GERMANY
51 6°N, 10 1°E DECEMBER 1961

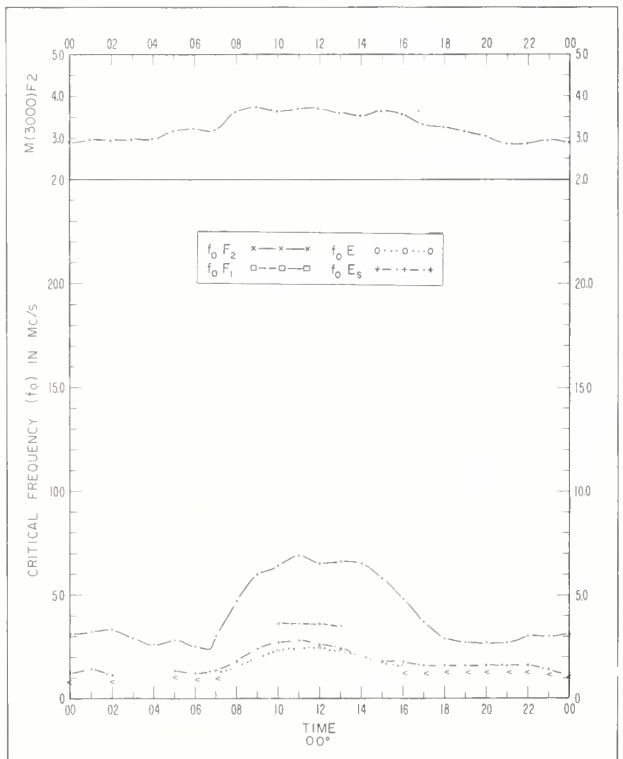

Fig 19 DOURBES, BELGIUM
50 1°N, 4 6°E DECEMBER 1961

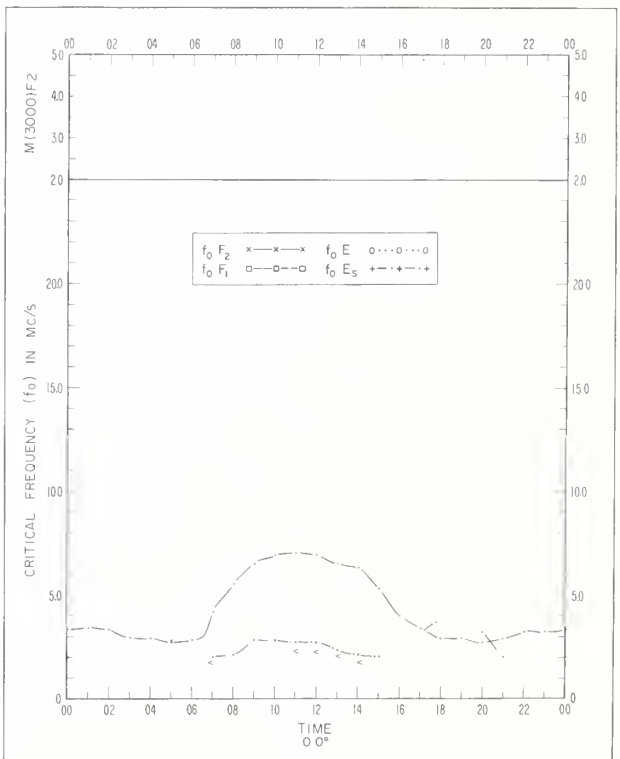

Fig.20. PRUHONICE, CZECHOSLOVAKIA
50 0°N, 14 6°E DECEMBER 1961

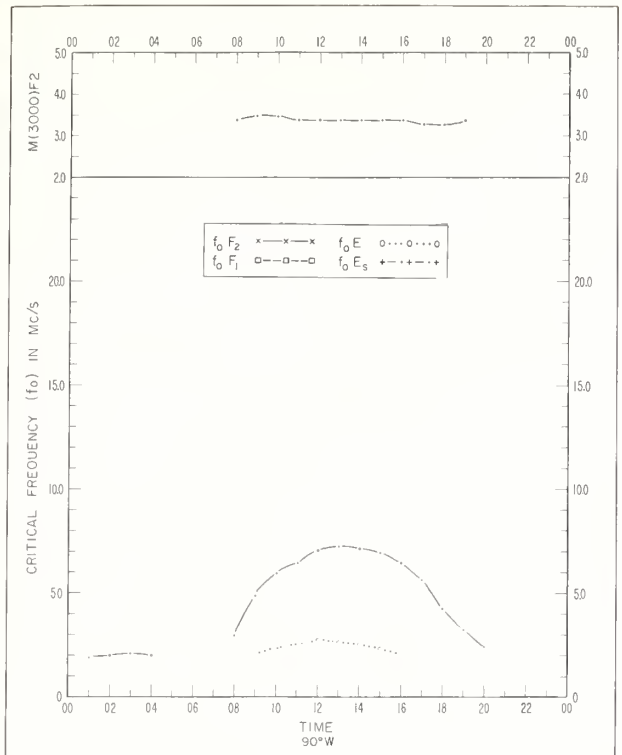

Fig 21. WINNIPEG, CANADA
49.9°N, 97.4°W
DECEMBER 1961

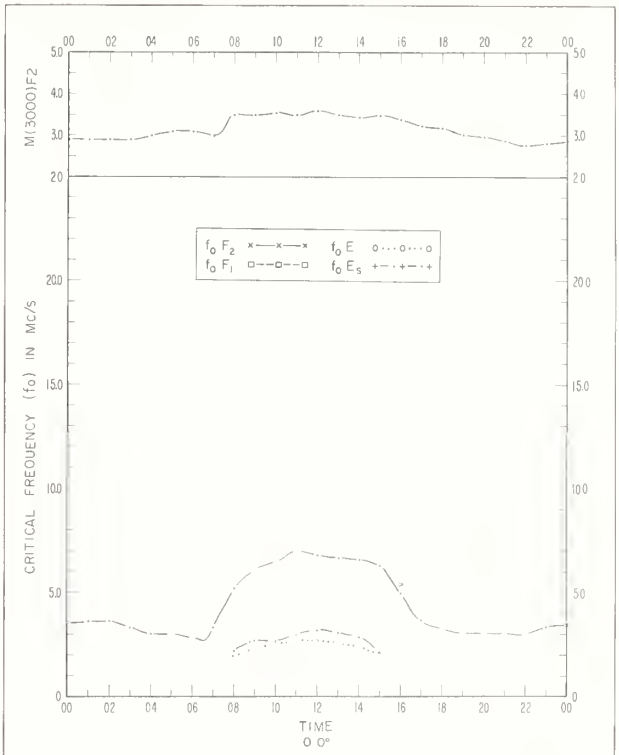

Fig 22 GARCHY, FRANCE
47.3°N, 3.1°E
DECEMBER 1961

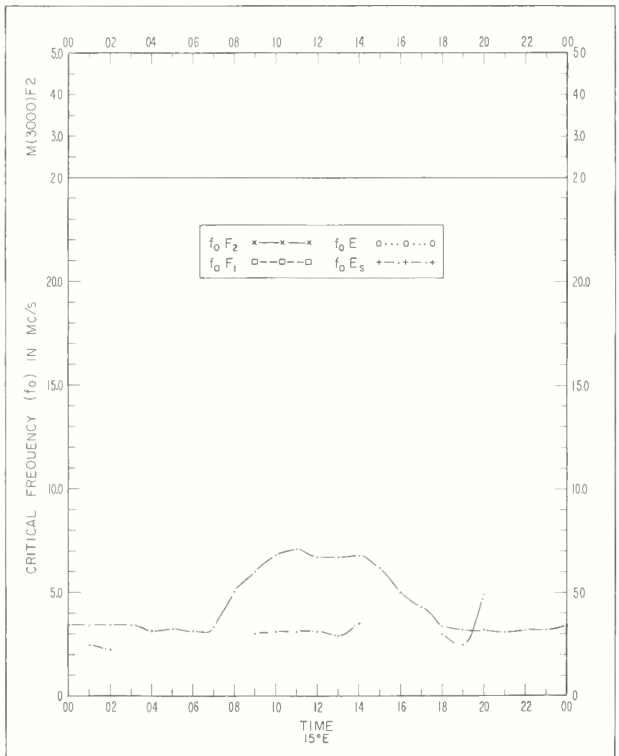

Fig. 23. GRAZ, AUSTRIA
47.1°N, 15.5°E
DECEMBER 1961

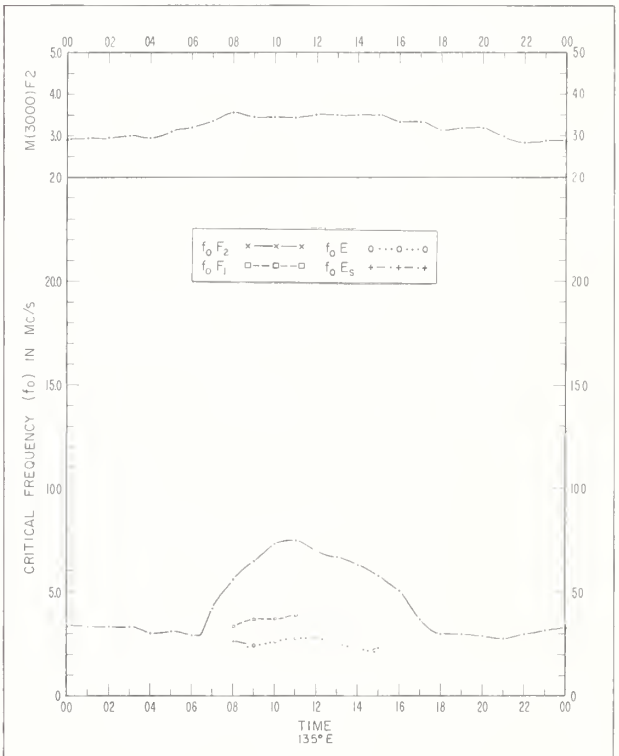

Fig 24 WAKKANAI, JAPAN
45.4°N, 141.7°E
DECEMBER 1961

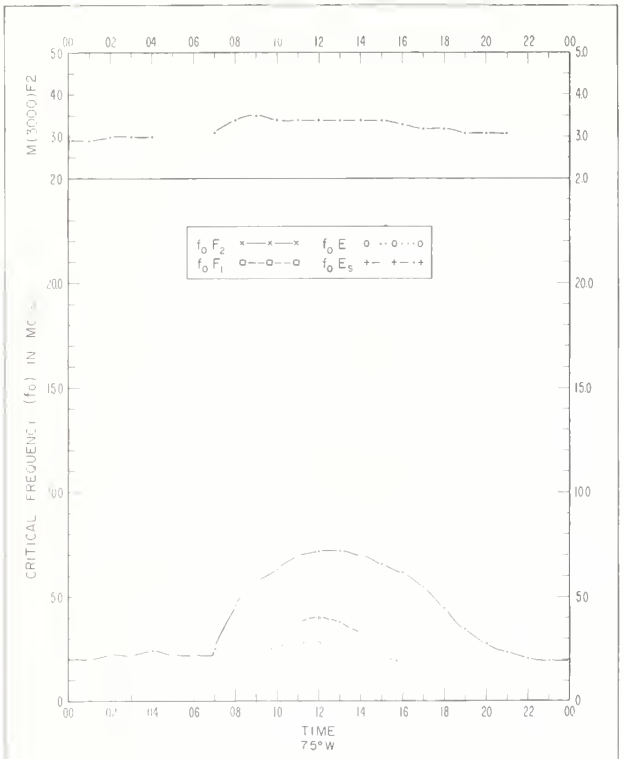

Fig 25 OTTAWA, CANADA
45.4°N, 75.9°W DECEMBER 1961

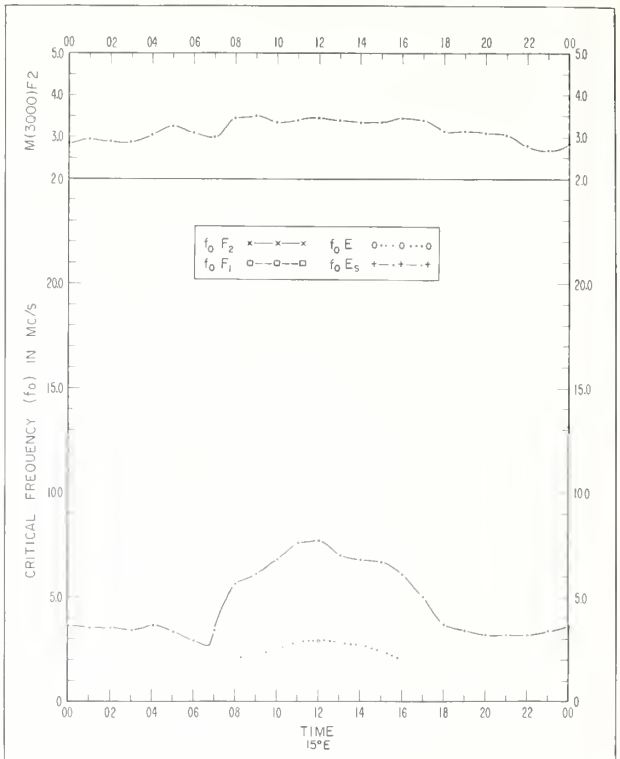

Fig 26. ROME, ITALY
41.8°N, 12.5°E DECEMBER 1961

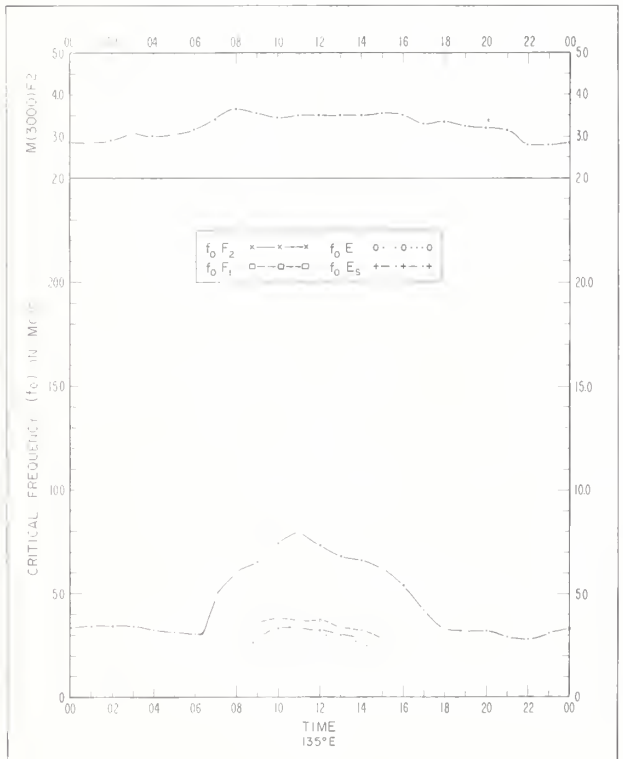

Fig 27 AKITA, JAPAN
39.7°N, 140.1°E DECEMBER 1961

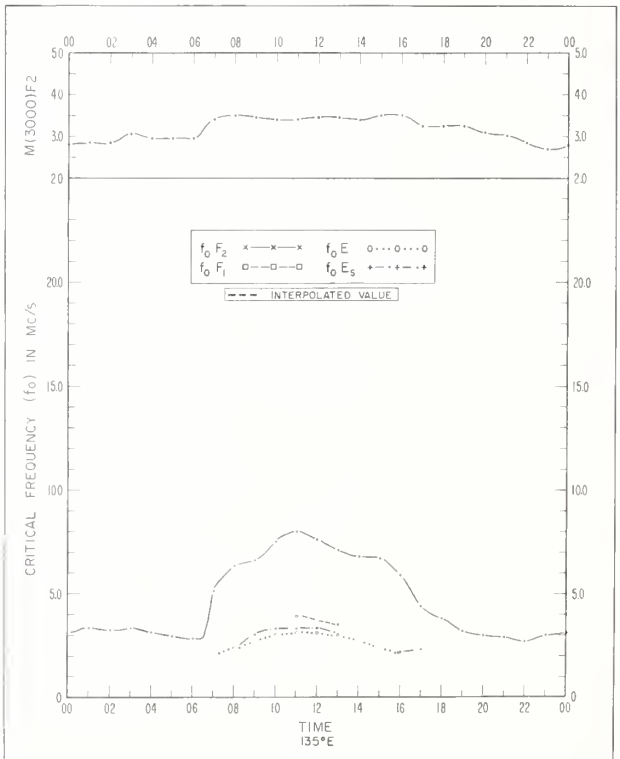

Fig 28. TOKYO, JAPAN
35.7°N, 139.5°E DECEMBER 1961

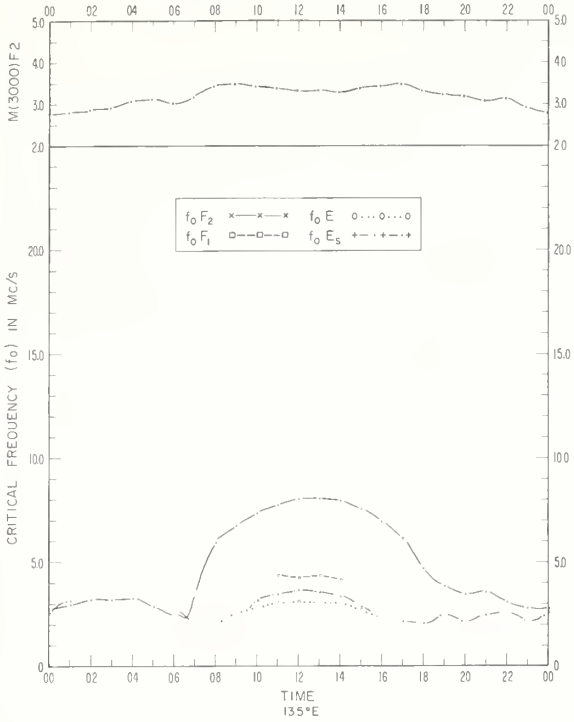

Fig 29. YAMAGAWA, JAPAN
31.2°N, 130.6°E DECEMBER 1961

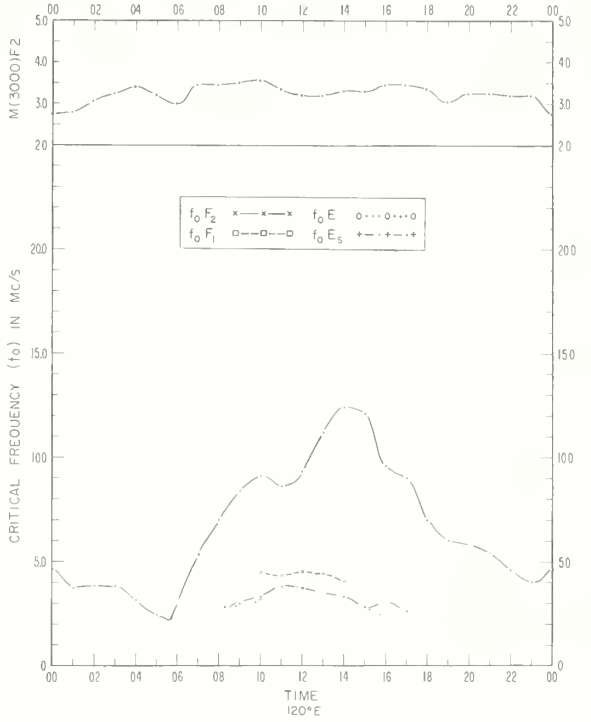

Fig 30. FORMOSA, CHINA
25.0°N, 121.5°E DECEMBER 1961

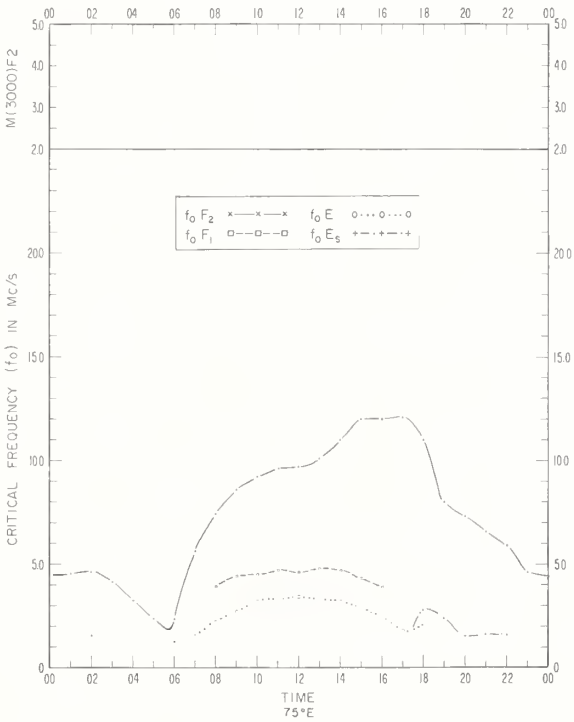

Fig 31. AHMEDABAD, INDIA
23.0°N, 72.6°E DECEMBER 1961

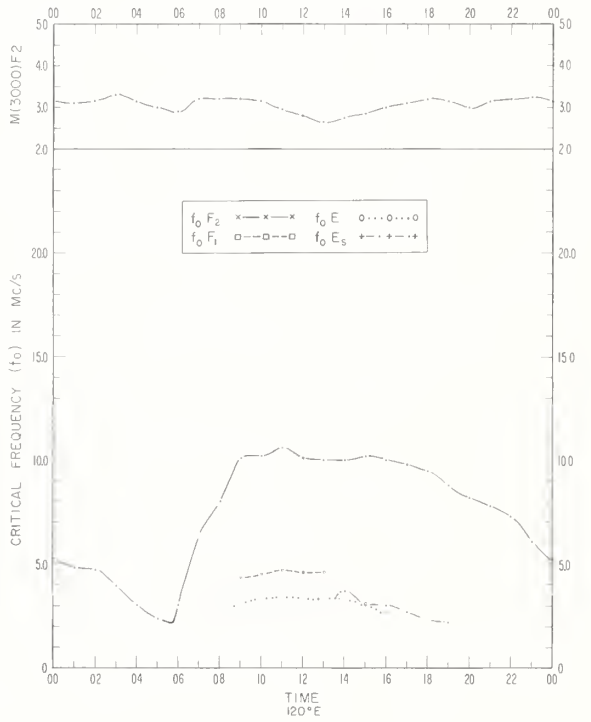

Fig 32. BAGUIO, LUZON
16.4°N, 120.6°E DECEMBER 1961

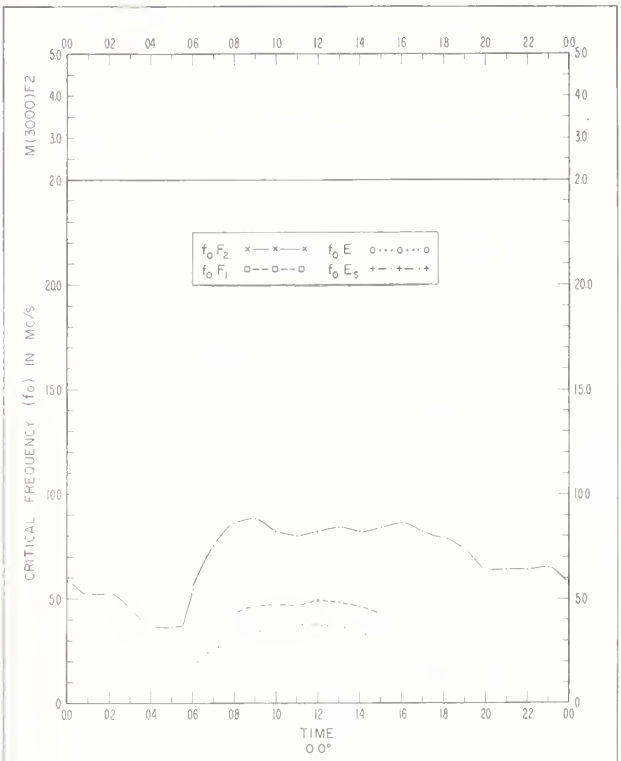

Fig 33 IBADAN, NIGERIA
7.4°N, 3.9°E
DECEMBER 1961

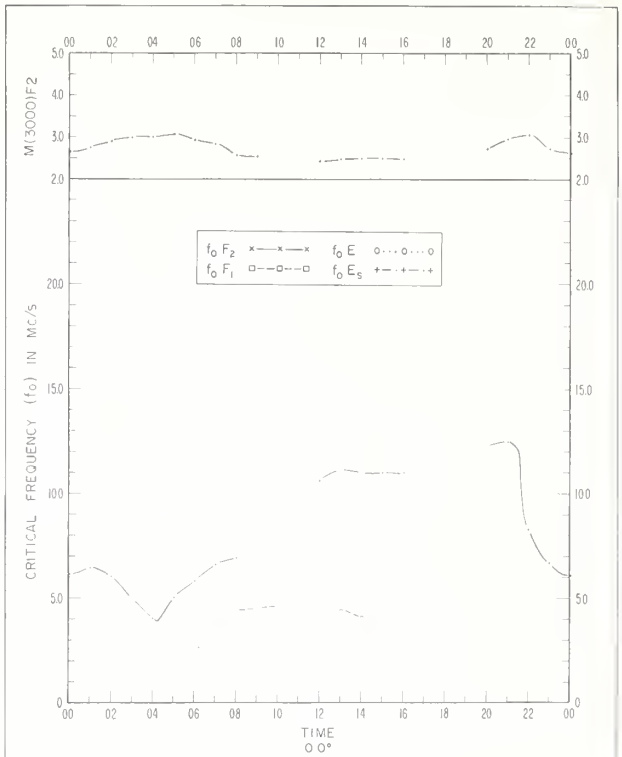

Fig 34 LEOPOLDVILLE, CONGO
4.4°S, 15.2°E
DECEMBER 1961

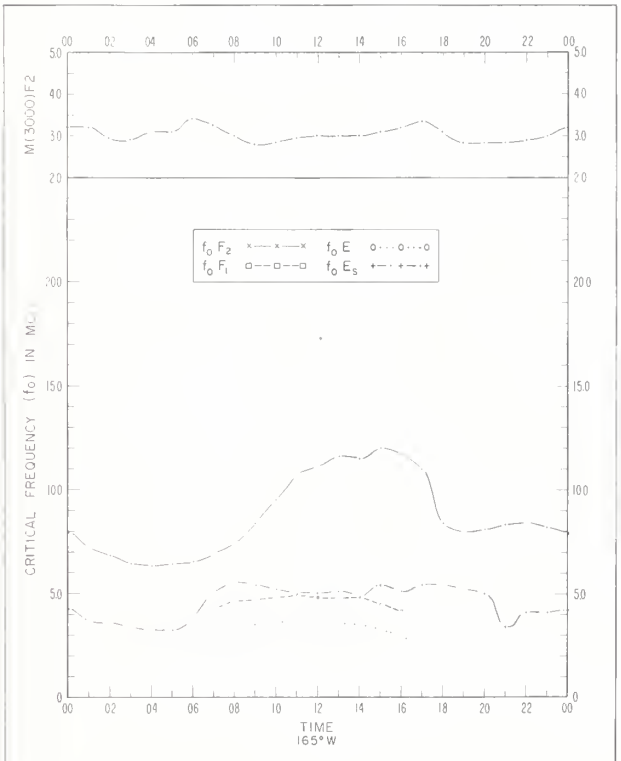

Fig. 35 RAROTONGA, COOK IS
21.2°S, 159.8°W
DECEMBER 1961

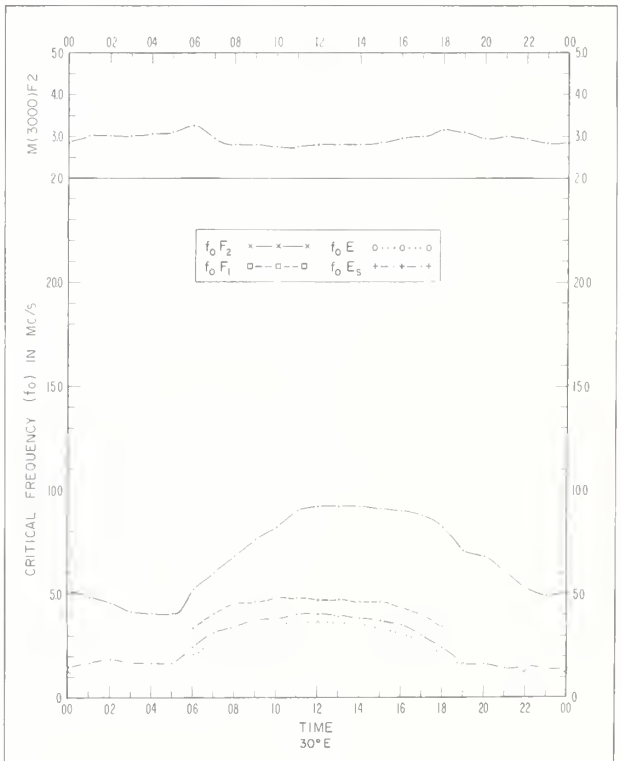

Fig 36. JOHANNESBURG, UNION OF S. AFRICA
26.1°S, 28.1°E
DECEMBER 1961

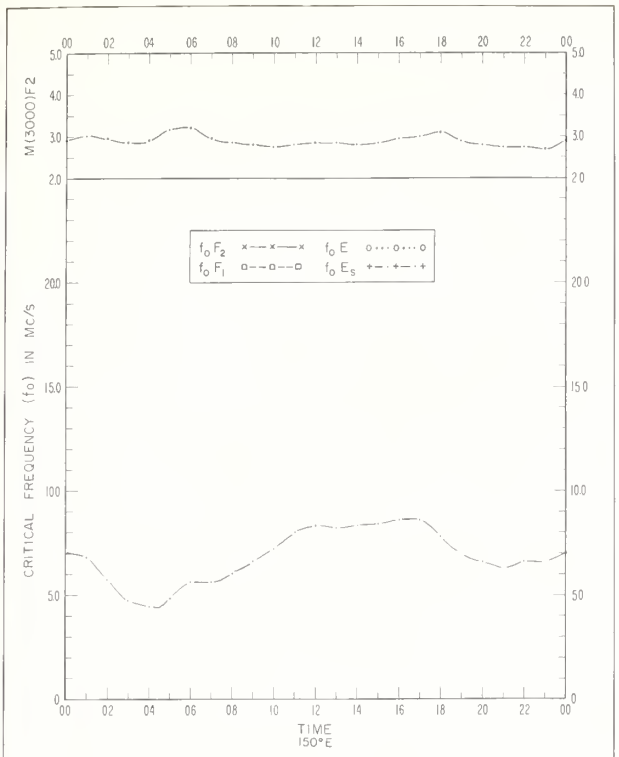

Fig 37. BRISBANE, AUSTRALIA
27 5°S, 152.9°E DECEMBER 1961

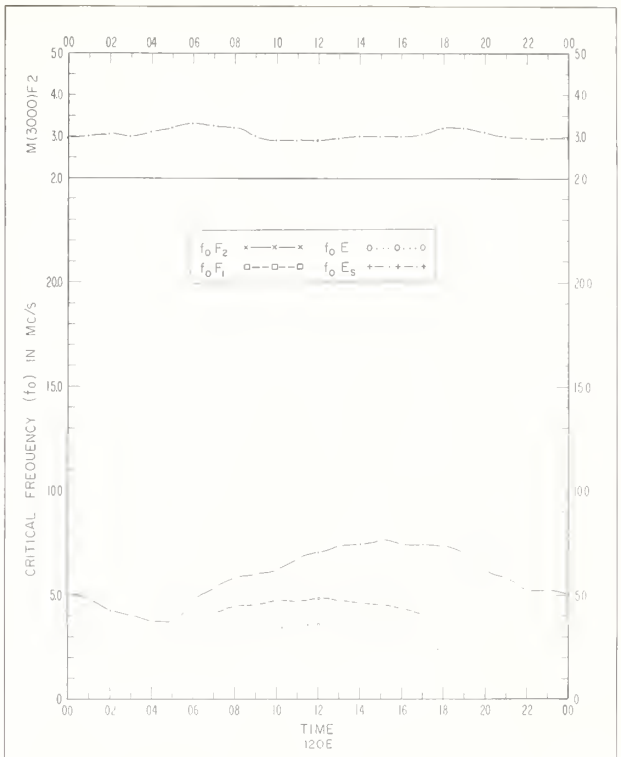

Fig 38 MUNDARING, WESTERN AUSTRALIA
32 0°S, 116.2°E DECEMBER 1961

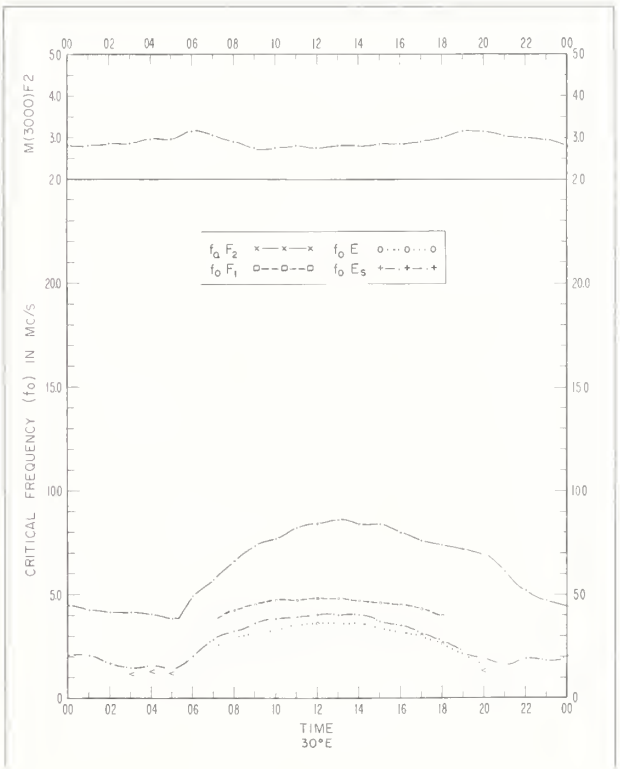

Fig 39. CAPETOWN, UNION OF S. AFRICA
34.1°S, 18.3°E DECEMBER 1961

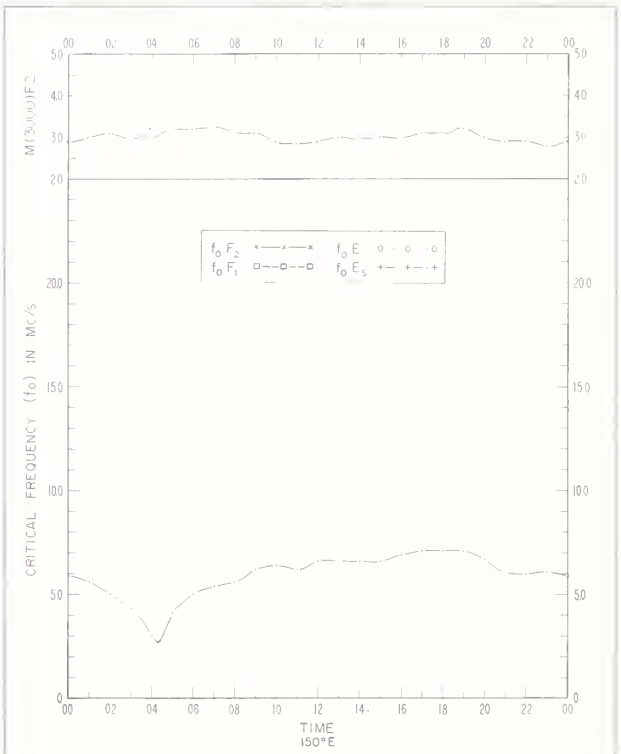

Fig. 40. CANBERRA, AUSTRALIA
35.3°S, 149.0°E DECEMBER 1961

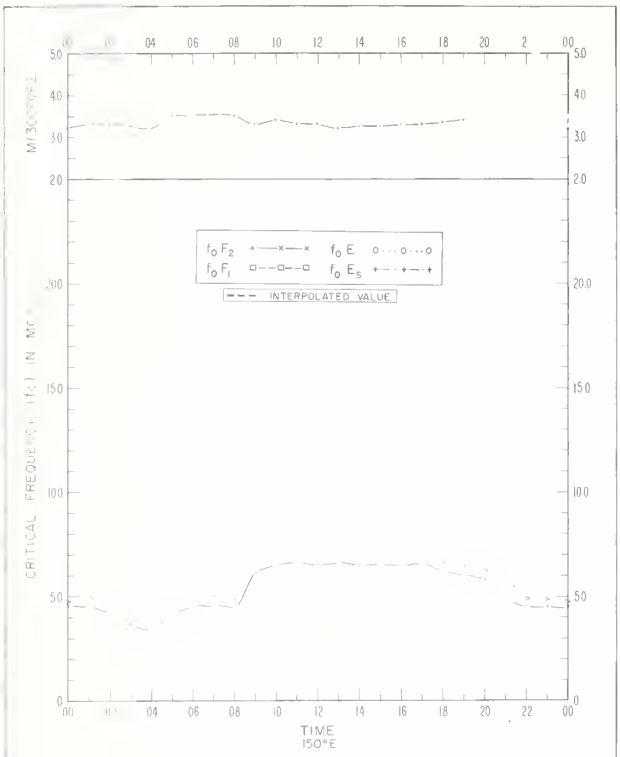

Fig 41 HOBART, TASMANIA
42 9°S, 147 2°E DECEMBER 1961

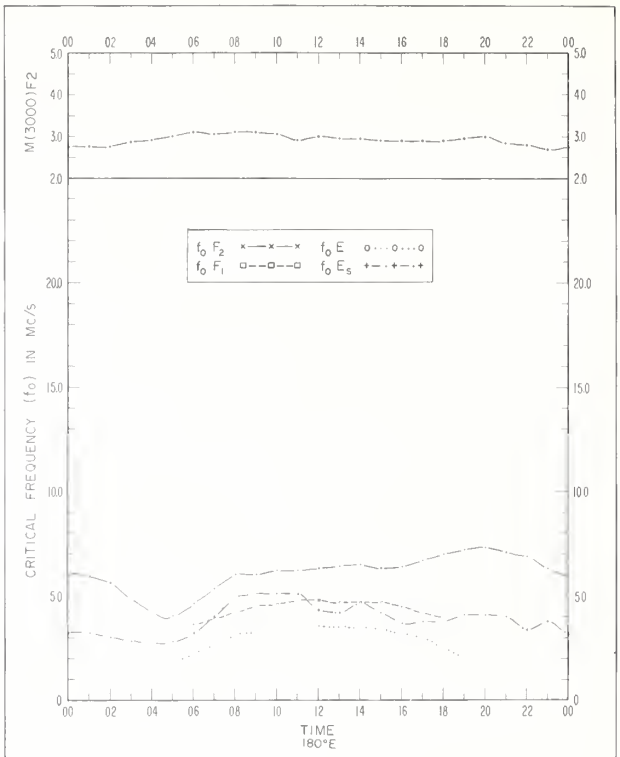

Fig 42. CHRISTCHURCH, NEW ZEALAND
43.6°S, 172 8°E DECEMBER 1961

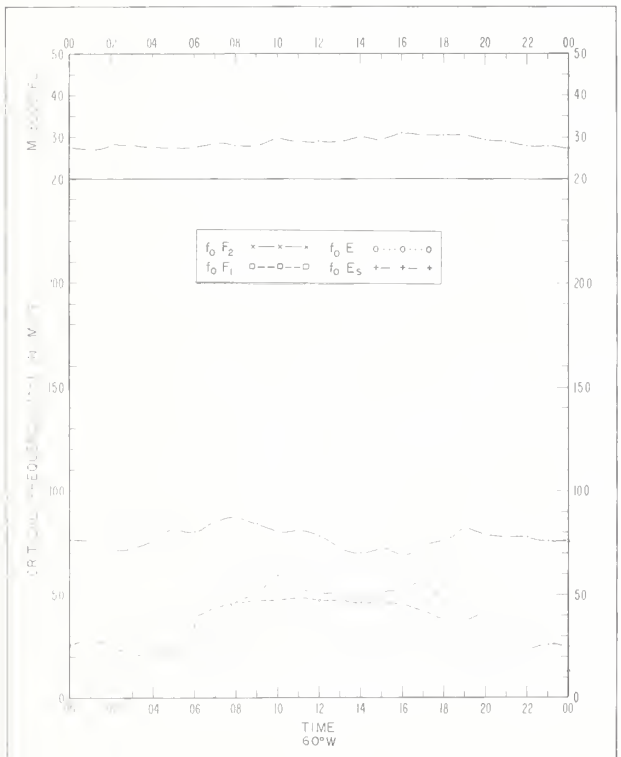

Fig 43 FALKLAND IS.
51.7°S, 57 8°W DECEMBER 1961

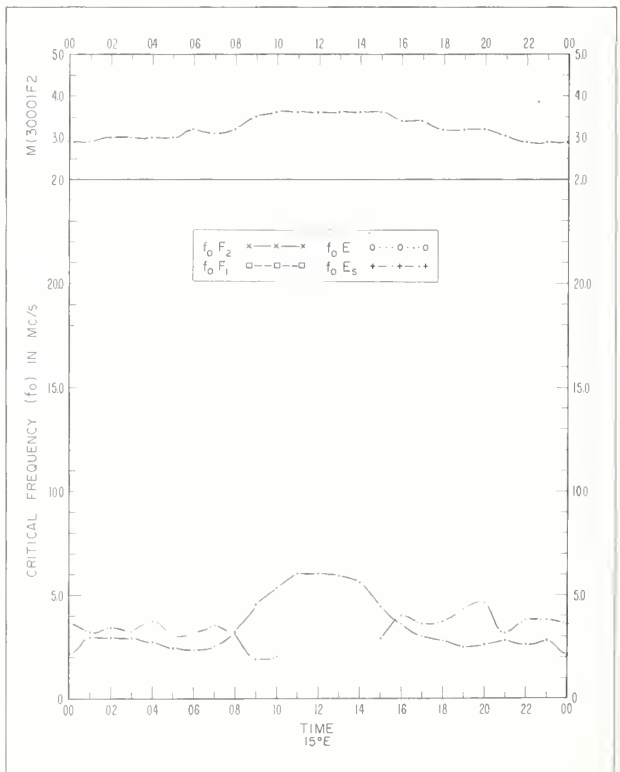

Fig. 44 KIRUNA, SWEDEN
67.8°N, 20.4°E NOVEMBER 1961

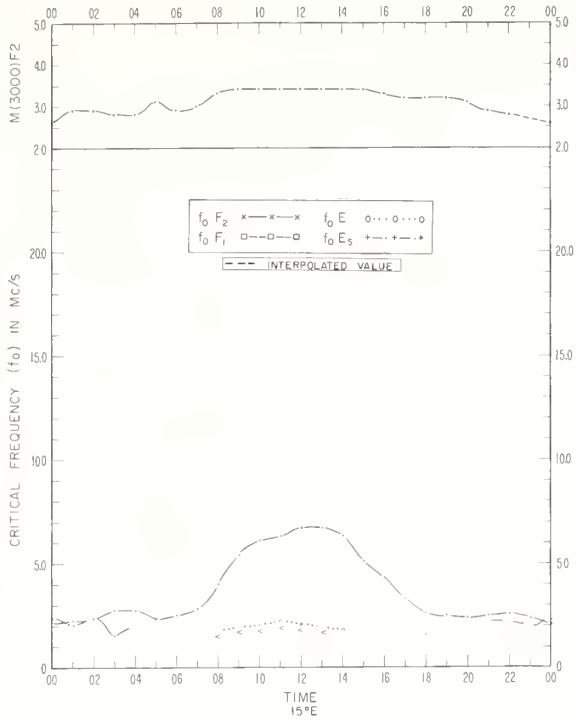

Fig 45. LULEA, SWEDEN
65.6°N, 22.1°E NOVEMBER 1961

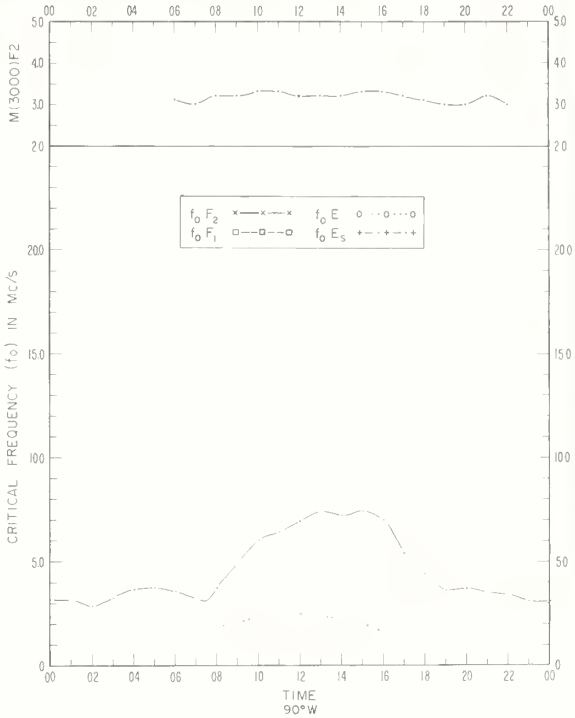

Fig 46. CHURCHILL, CANADA
58.8°N, 94.2°W NOVEMBER 1961

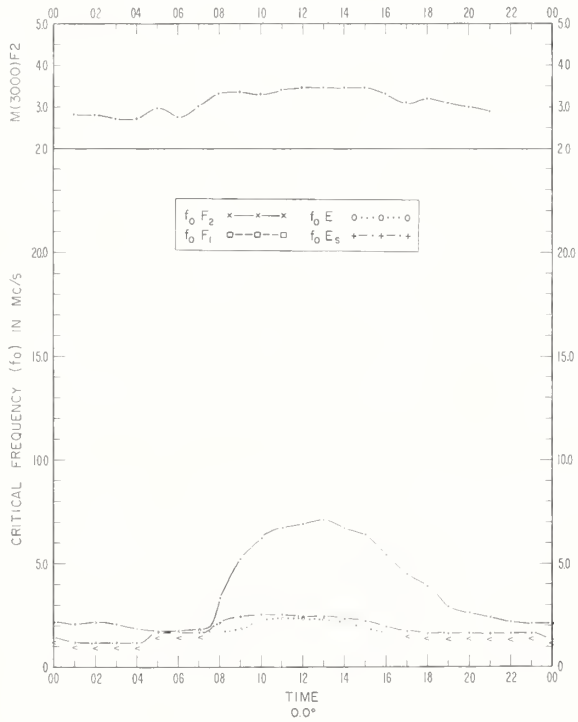

Fig. 47. INVERNESS, SCOTLAND
57.4°N, 4.2°W NOVEMBER 1961

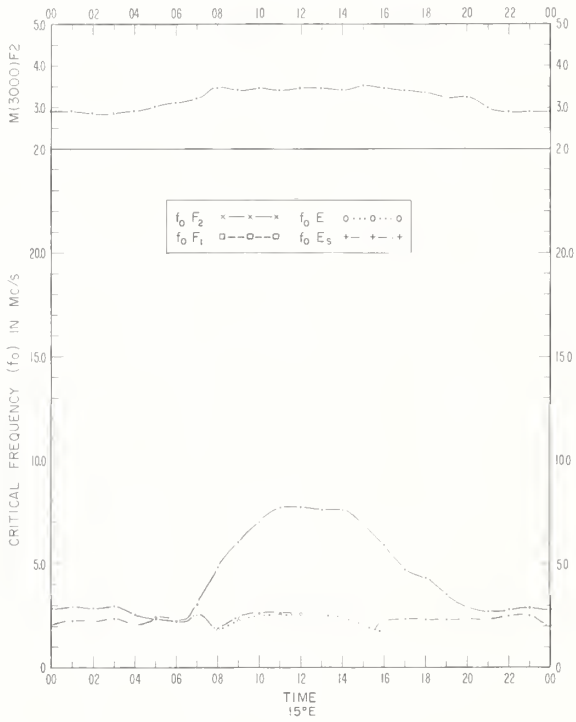

Fig 48. JULIUSRUH/RUGEN, GERMANY
54.6°N, 13.4°E NOVEMBER 1961

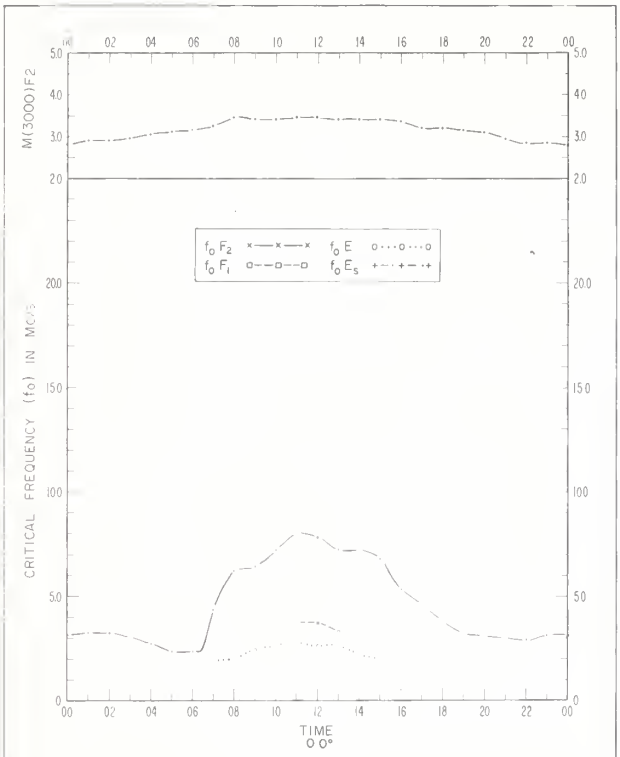

Fig. 49. De BILT, NETHERLANDS
52.1°N, 5.2°E NOVEMBER 1961

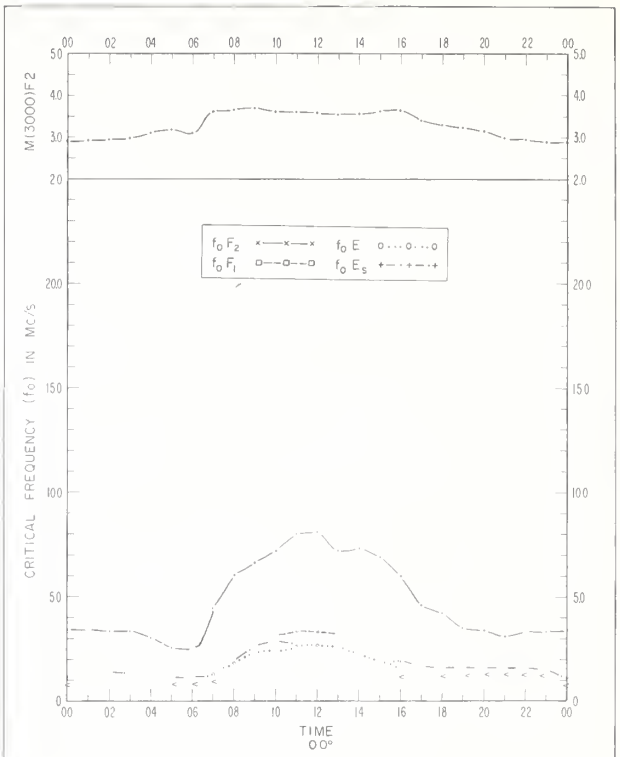

Fig 50 DOURBES, BELGIUM
50.1°N, 4.6°E NOVEMBER 1961

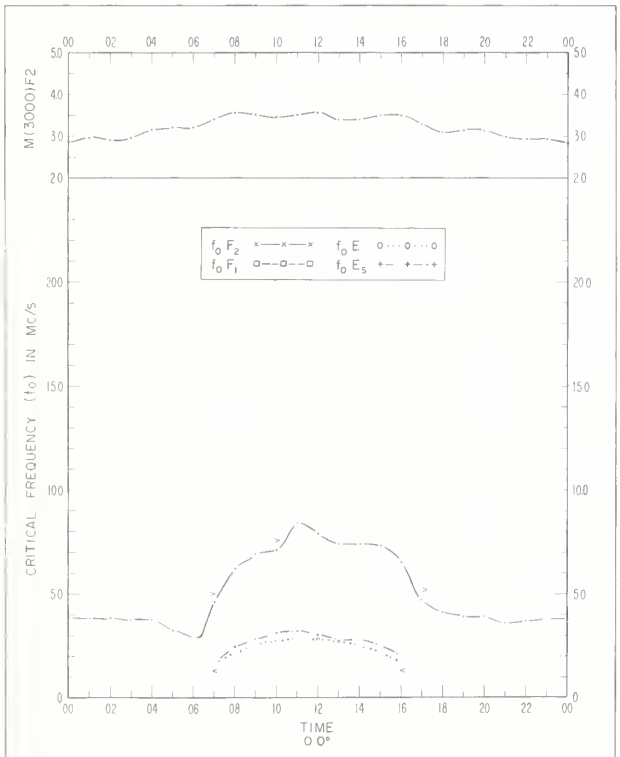

Fig 51 GARCHY, FRANCE
47.3°N, 3.1°E NOVEMBER 1961

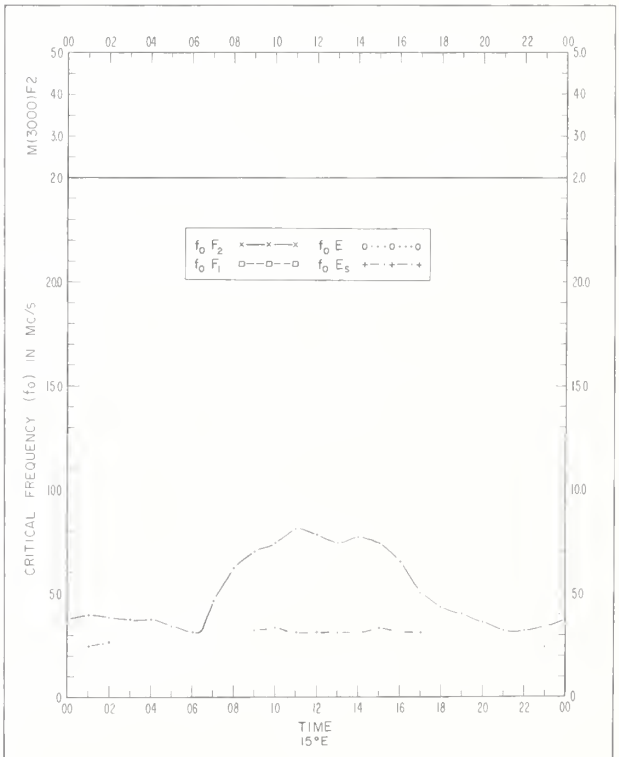

Fig 52 GRAZ, AUSTRIA
47.1°N, 15.5°E NOVEMBER 1961

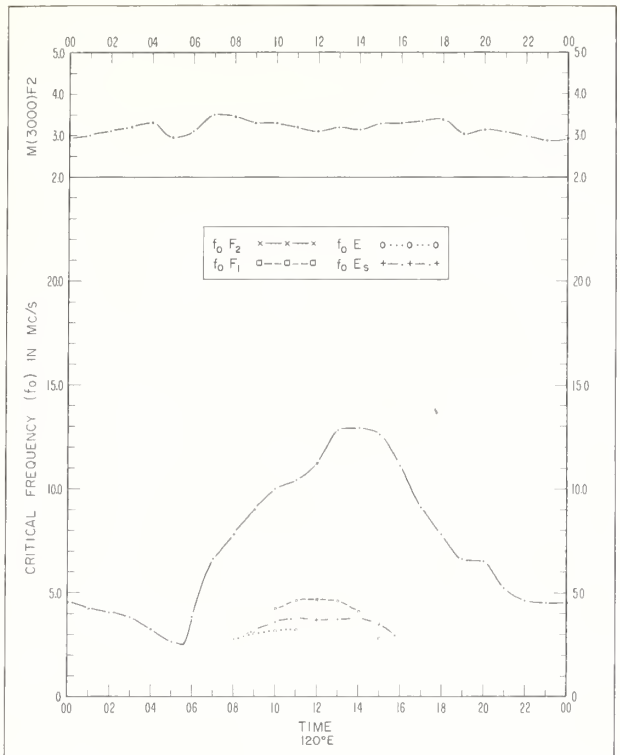

Fig 53. FORMOSA, CHINA
25.0°N, 121.5°E
NOVEMBER 1961

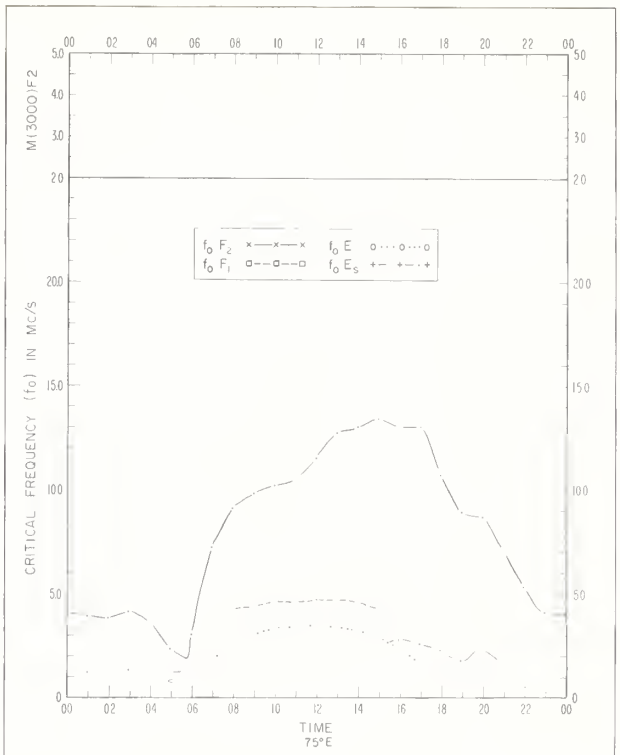

Fig. 54 AHMEDABAD, INDIA
23 0°N, 72 6°E
NOVEMBER 1961

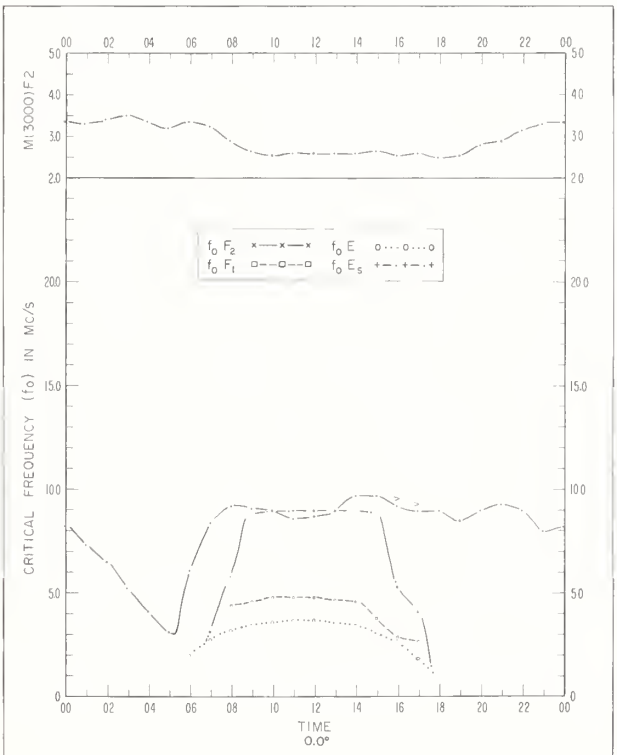

Fig. 55. IBADAN, NIGERIA
7.4°N, 3.9°E
NOVEMBER 1961

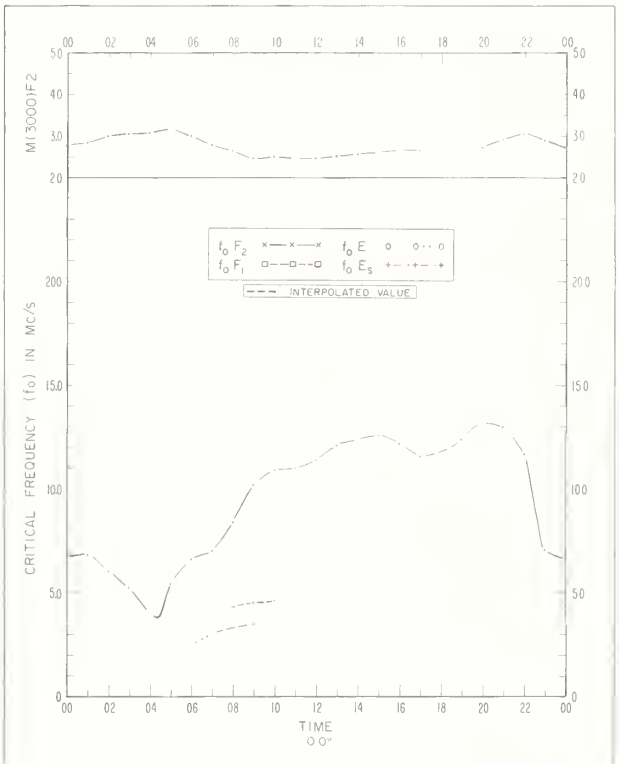

Fig. 56. LEOPOLDVILLE, CONGO
4.4°S, 15.2°E
NOVEMBER 1961

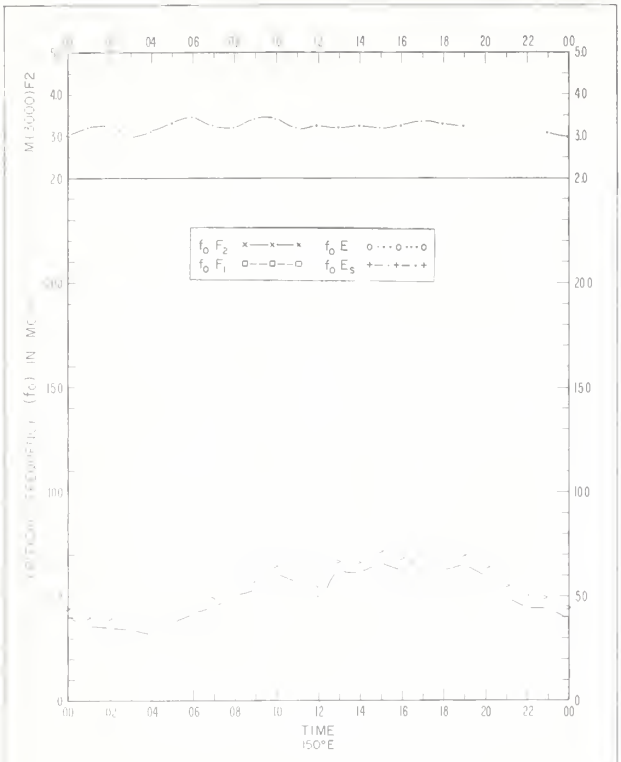

Fig 57 HOBART, TASMANIA
42 9°S, 147 2°E NOVEMBER 1961

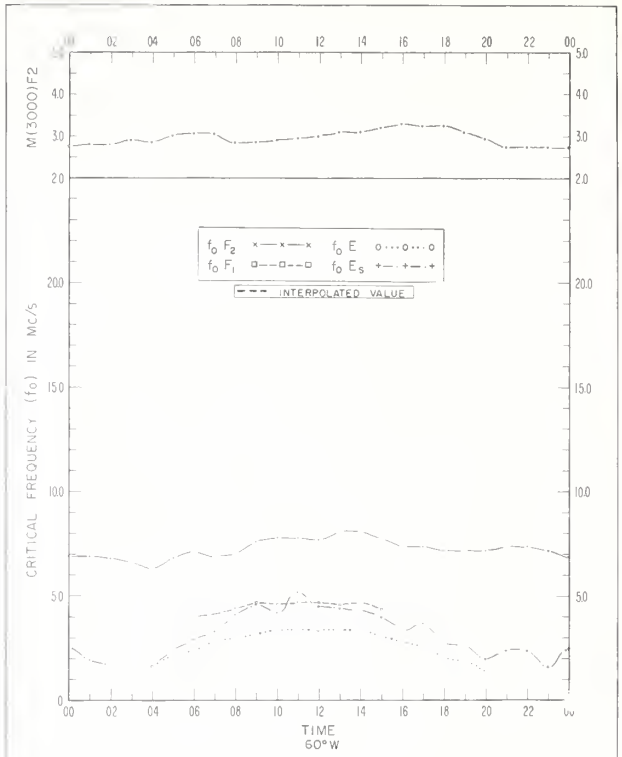

Fig 58 FALKLAND IS
51 7°S, 57 8°W NOVEMBER 1961

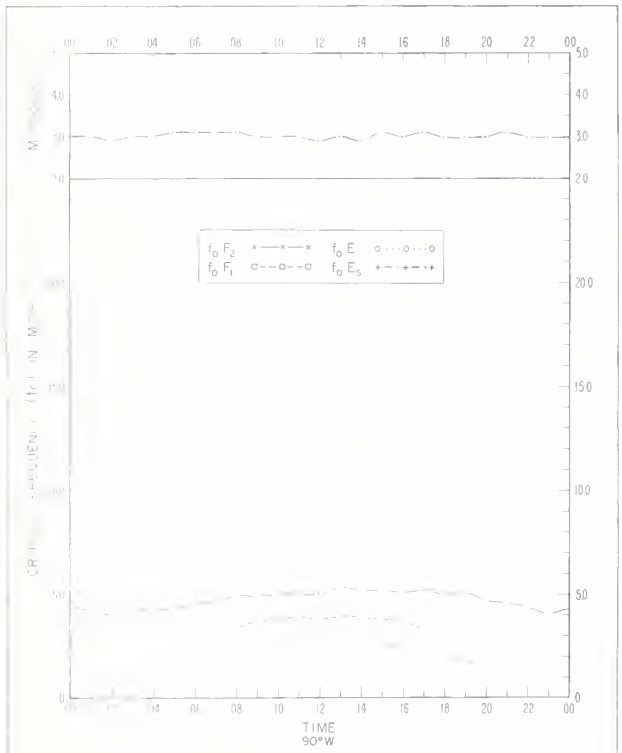

Fig 59 RESOLUTE BAY, CANADA
74 7°N, 94 9°W SEPTEMBER 1961

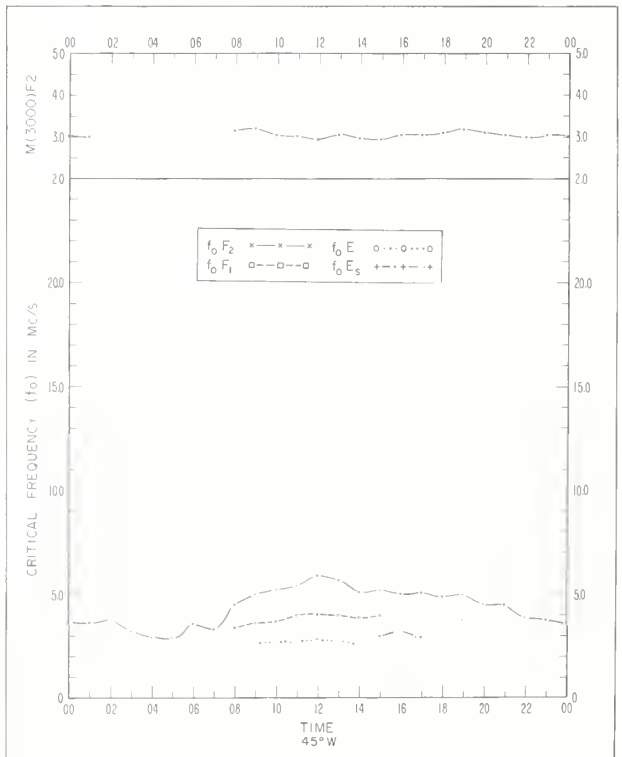

Fig 60 GODHAVN, GREENLAND
69 3°N, 53 5°W SEPTEMBER 1961

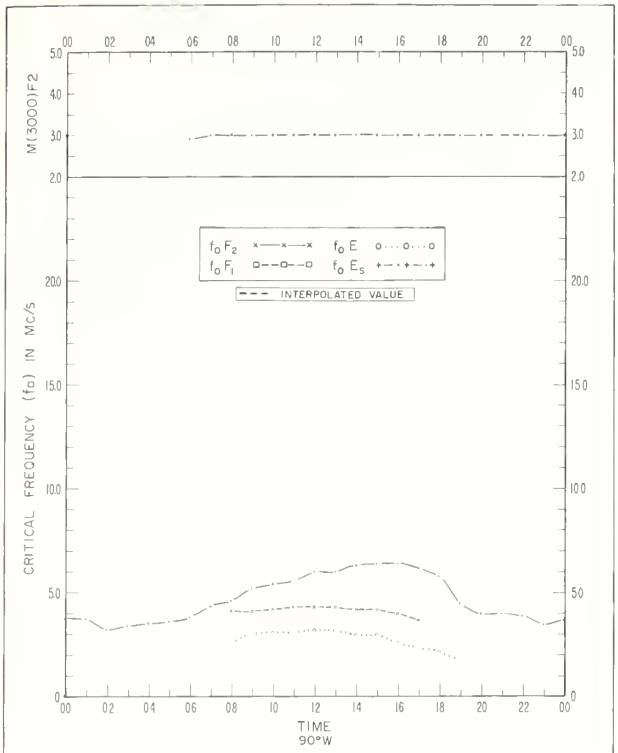

Fig 61. CHURCHILL, CANADA
58.8°N, 94.2°W SEPTEMBER 1961

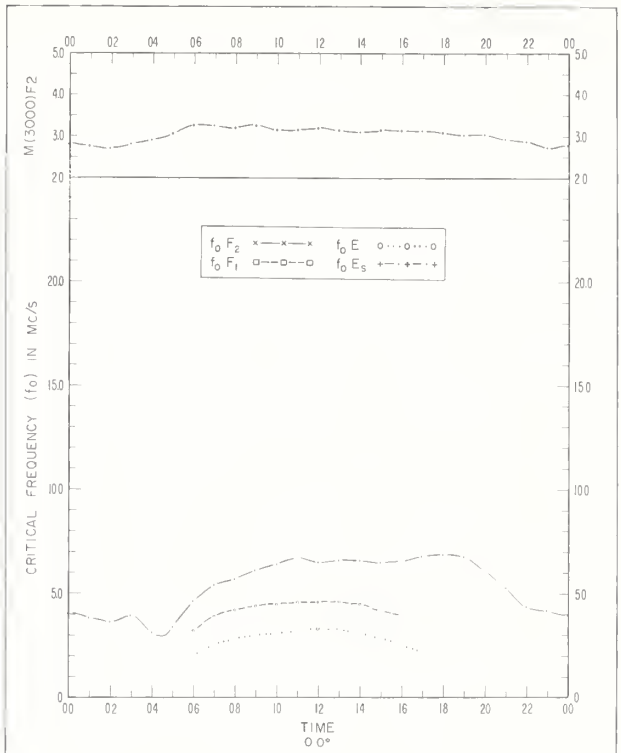

Fig 62 De BILT, NETHERLANDS
52.1°N, 5.2°E SEPTEMBER 1961

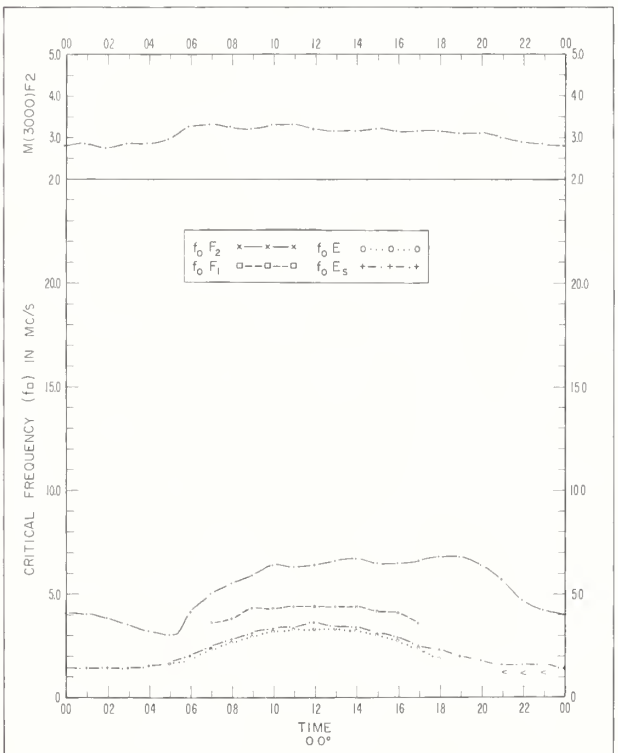

Fig. 63. SLOUGH, ENGLAND
51.5°N, 0.6°W SEPTEMBER 1961

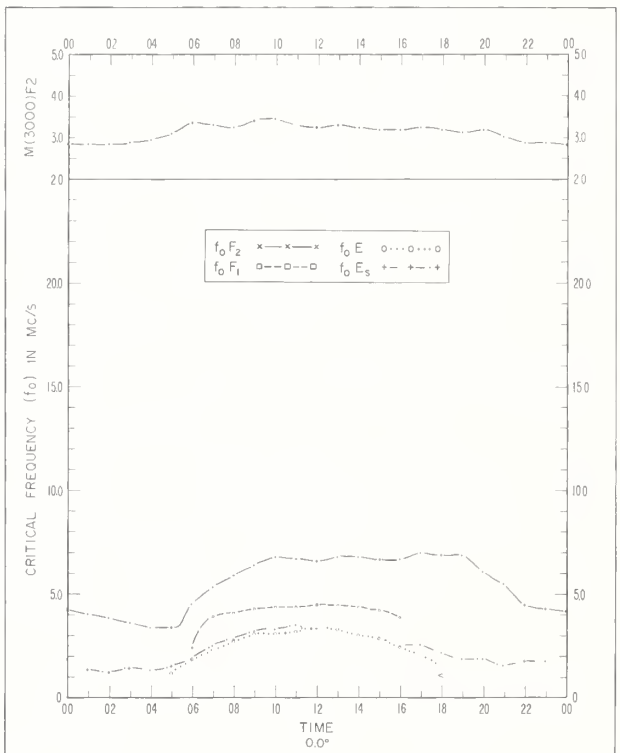

Fig 64. DOURBES, BELGIUM
50.1°N, 4.6°E SEPTEMBER 1961

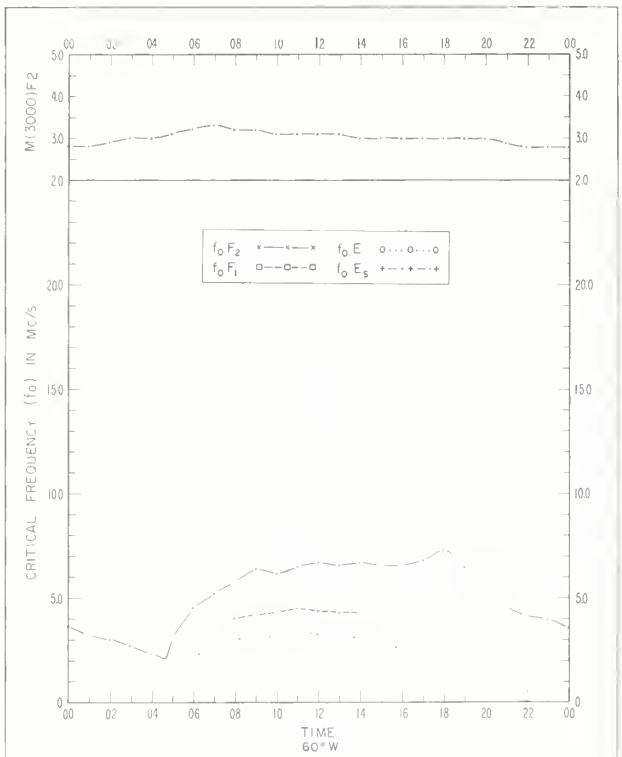

Fig 65 ST JOHN'S, NEWFOUNDLAND
47 6°N, 52 7°W SEPTEMBER 1961

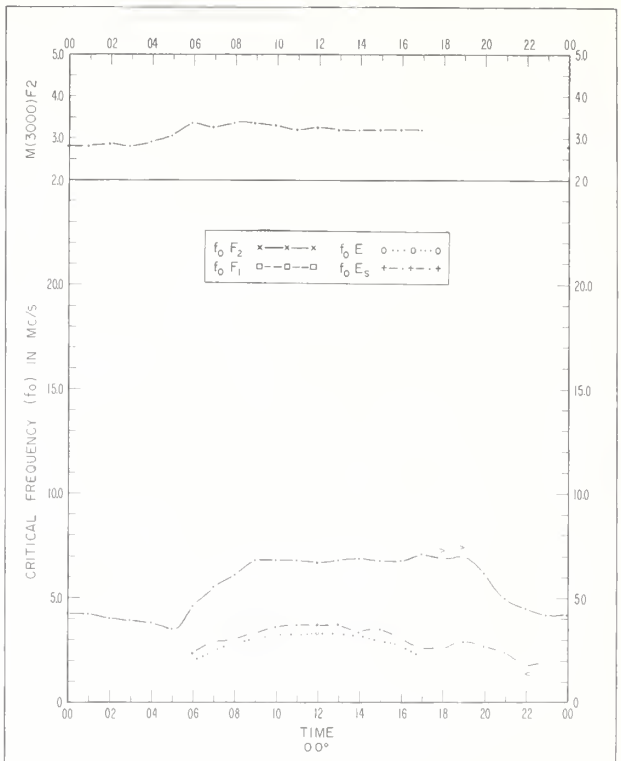

Fig 66 GARCHY, FRANCE
47 3°N, 3.1°E SEPTEMBER 1961

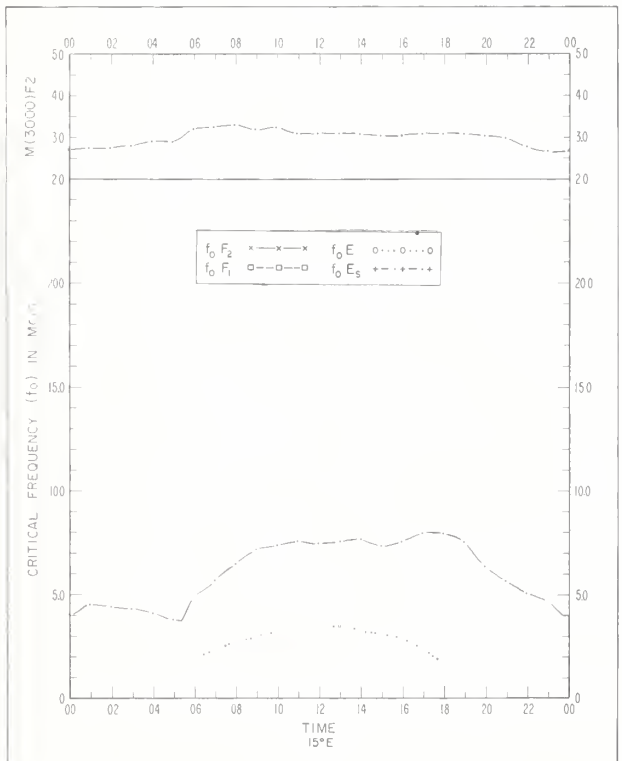

Fig 67 ROME, ITALY
41.8°N, 12 5°E SEPTEMBER 1961

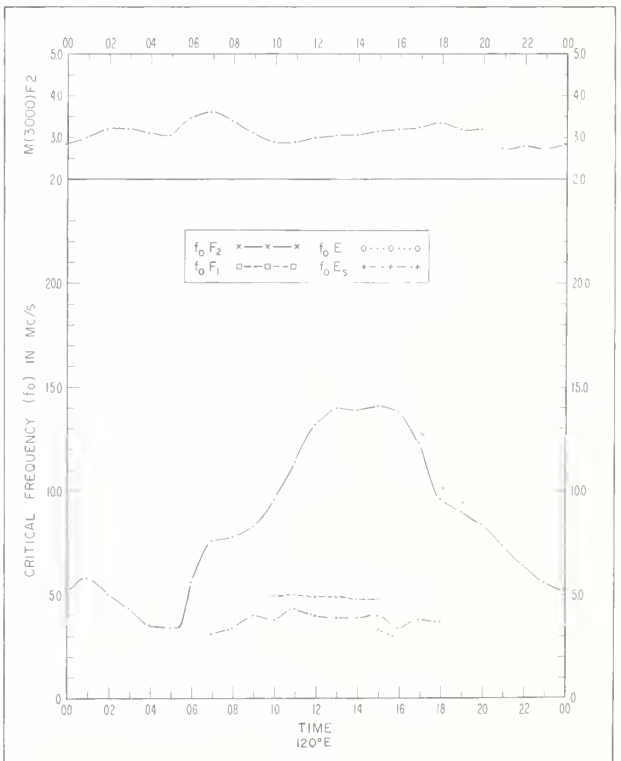

Fig 68 FORMOSA, CHINA
25 0°N, 121.5°E SEPTEMBER 1961

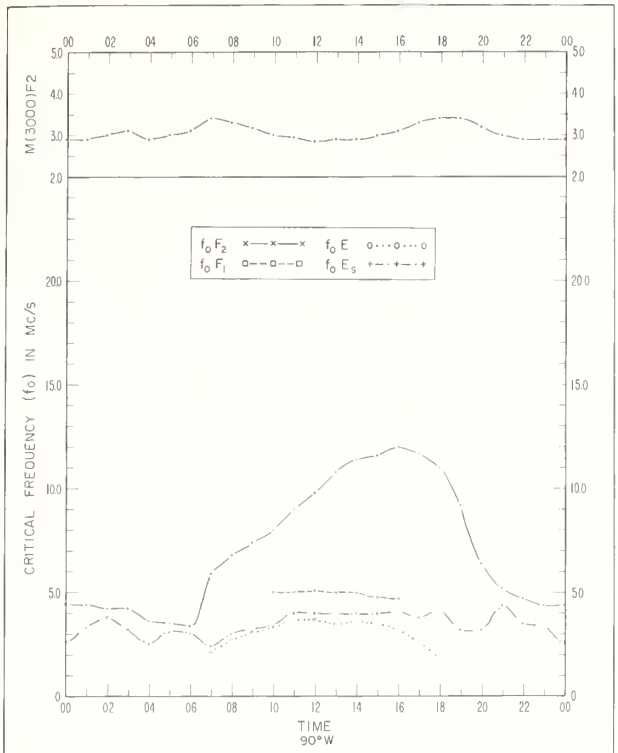

Fig. 69. EL CERILLO, MEXICO
19.3°N, 99.5°W SEPTEMBER 1961

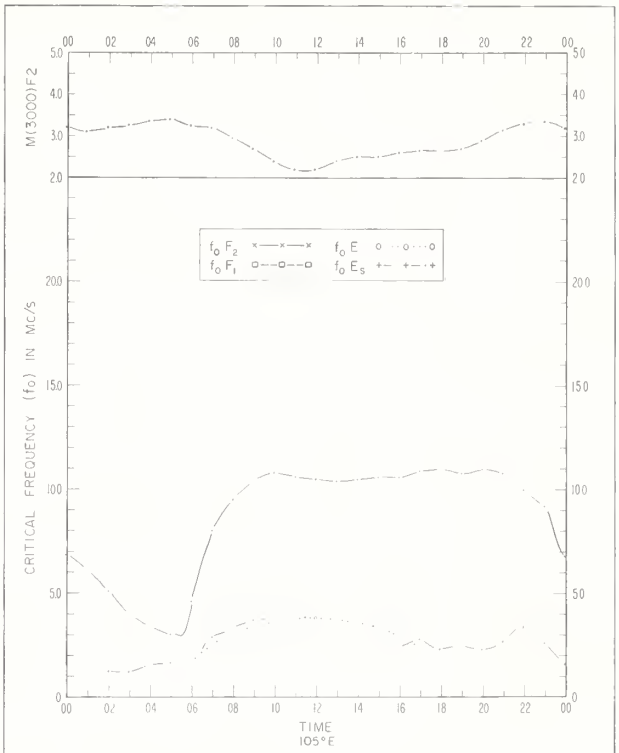

Fig 70. SINGAPORE, BRITISH MALAYA
1.3°N, 103.8°E SEPTEMBER 1961

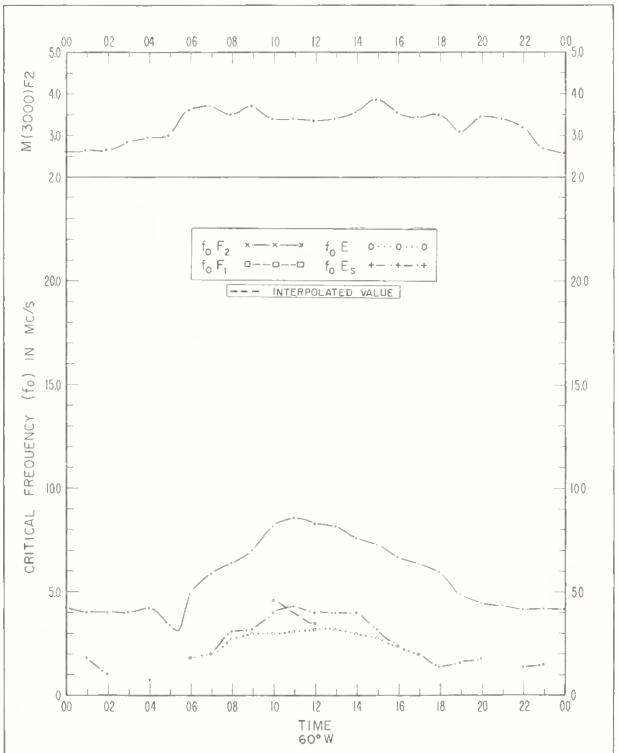

Fig 71. FALKLAND IS.
51.7°S, 57.8°W SEPTEMBER 1961

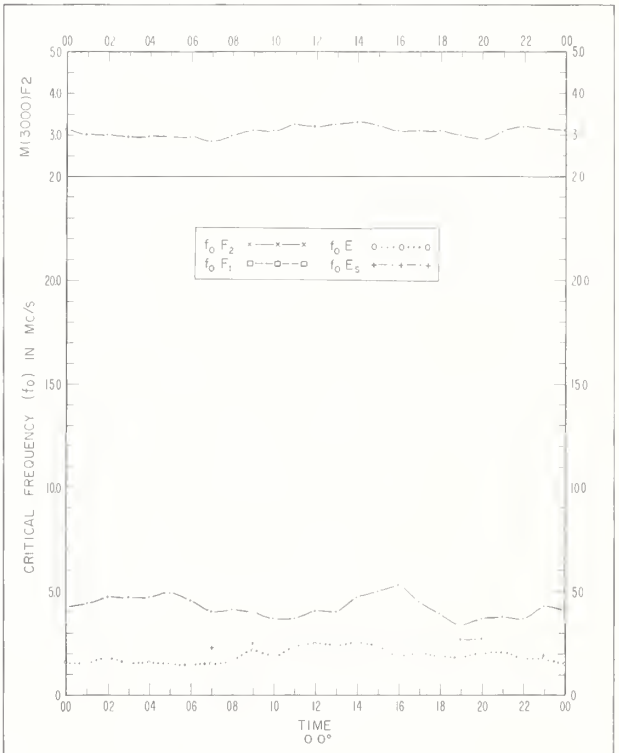

Fig. 72. POLE STATION, ANTARCTICA
90.0°S SEPTEMBER 1961

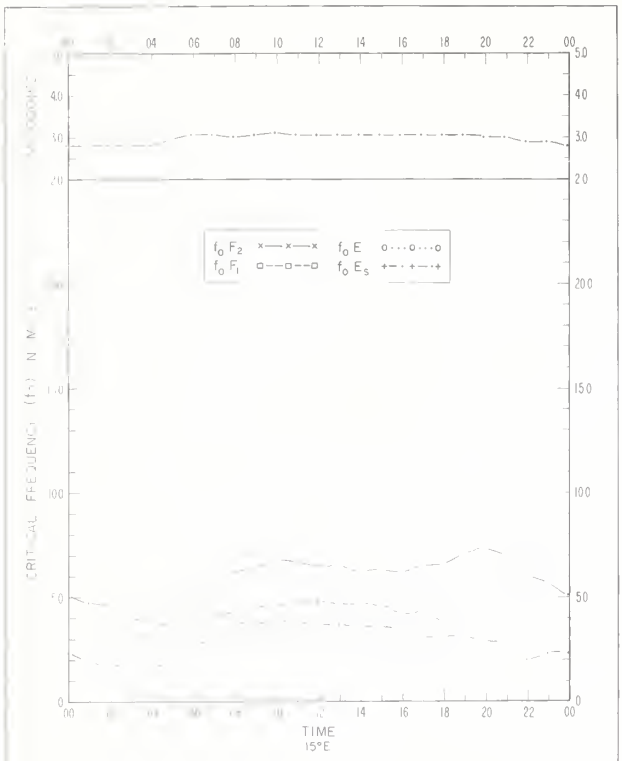

Fig 73 JULIUSRUH / RUGEN, GERMANY
54 6°N, 13.4°E AUGUST 1961

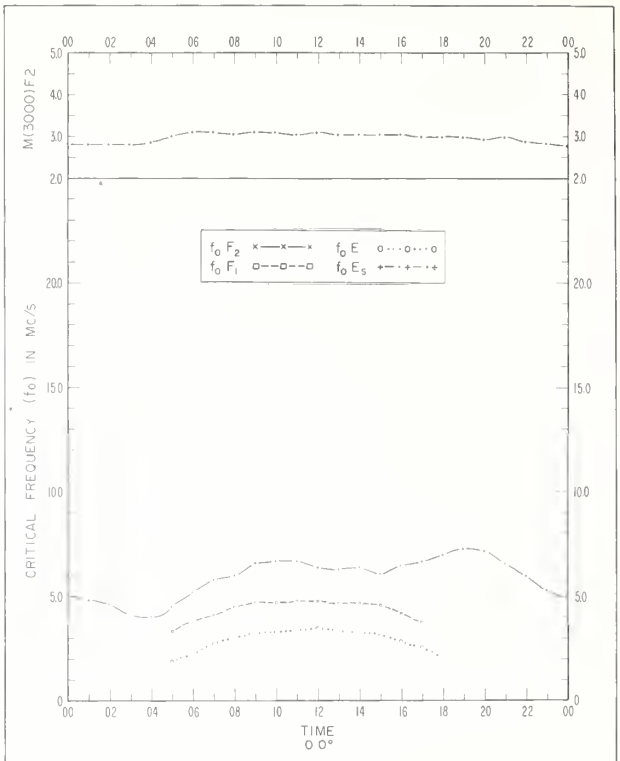

Fig. 74 De BILT, NETHERLANDS
52 1°N, 5.2°E AUGUST 1961

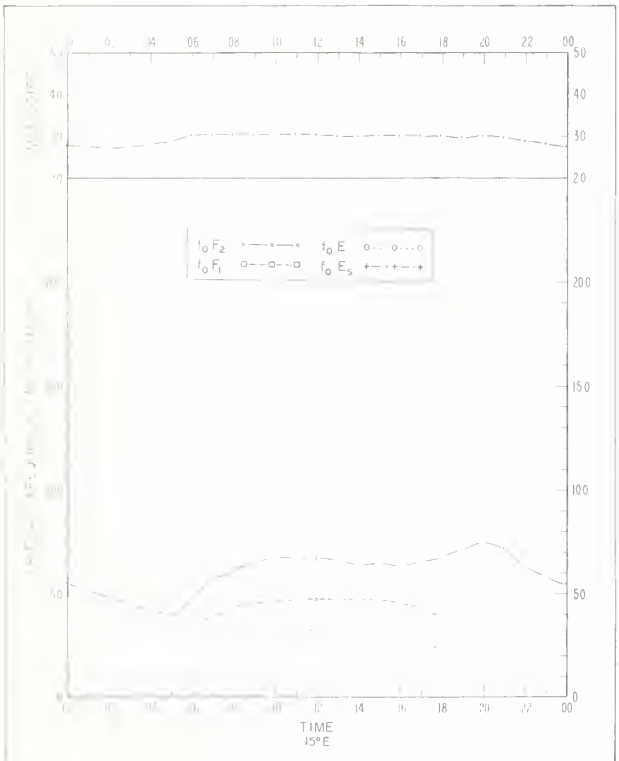

Fig 75 LINDAU / HARZ, GERMANY
51 6°N, 10.1°E AUGUST 1961

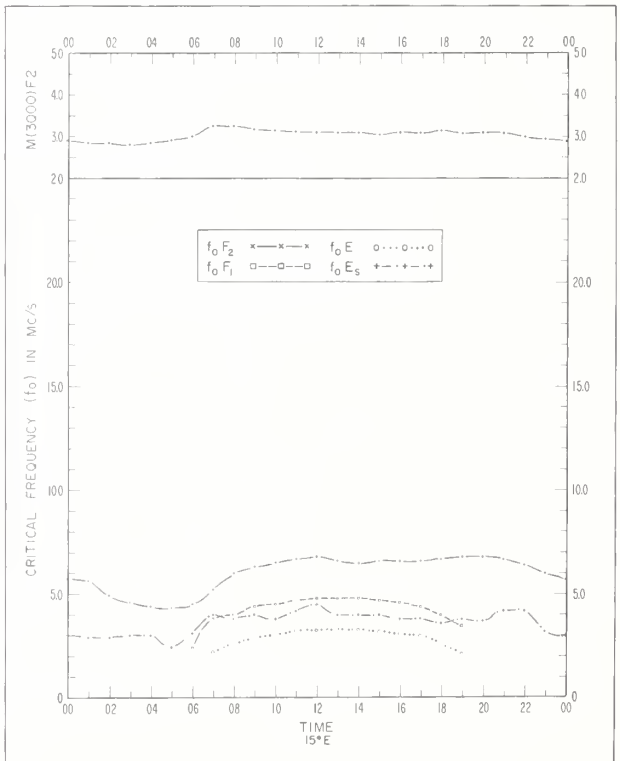

Fig. 76 PARIS, FRANCE
48.1°N, 2.3°E AUGUST 1961

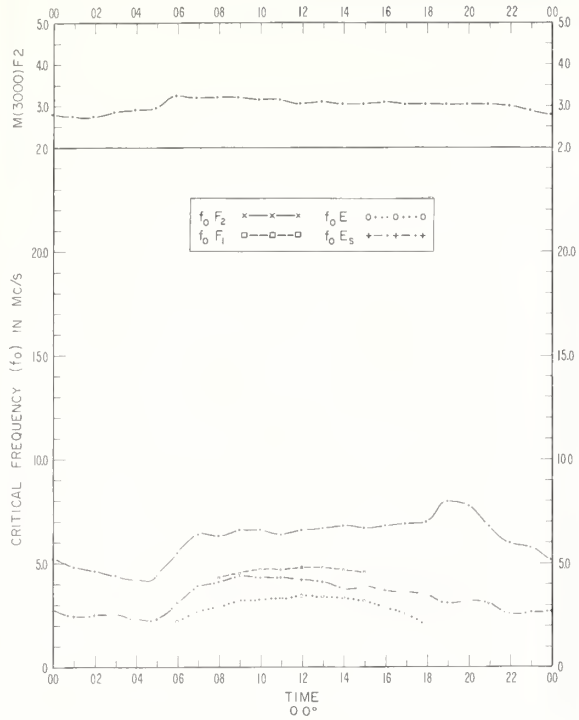

Fig 77. GARCHY, FRANCE
47.3°N, 3.1°E AUGUST 1961

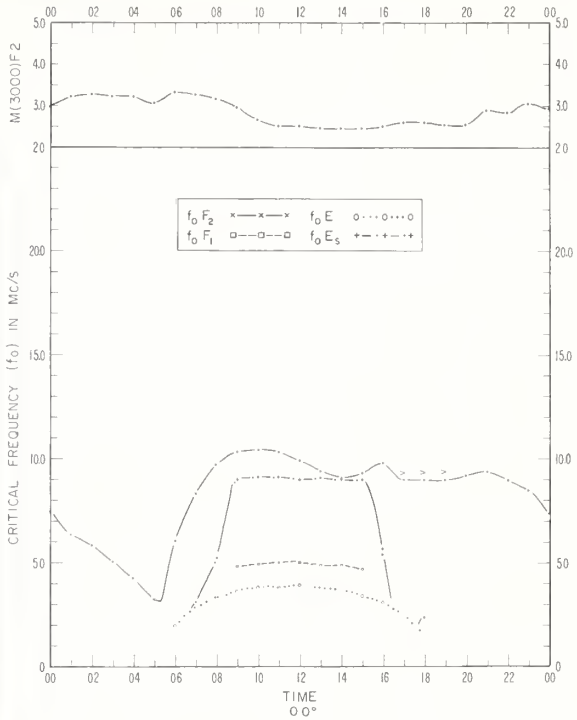

Fig 78 IBADAN, NIGERIA
7.4°N, 3.9°E AUGUST 1961

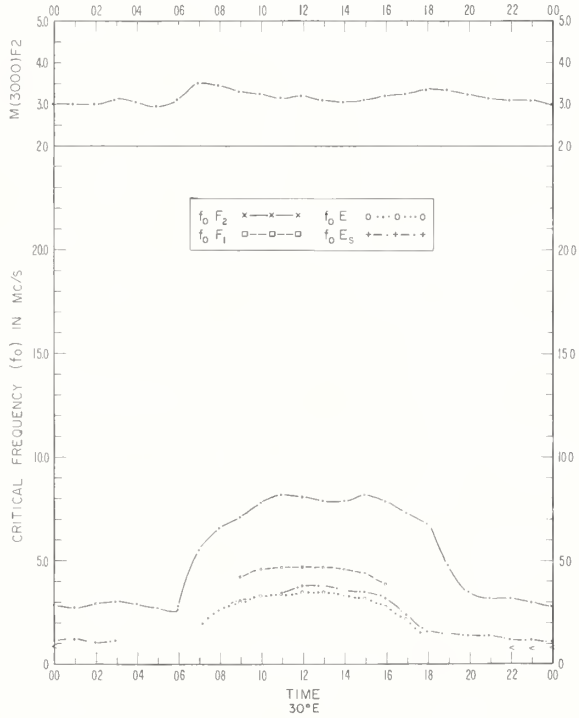

Fig. 79. JOHANNESBURG, UNION OF S. AFRICA
26.1°S, 28.1°E AUGUST 1961

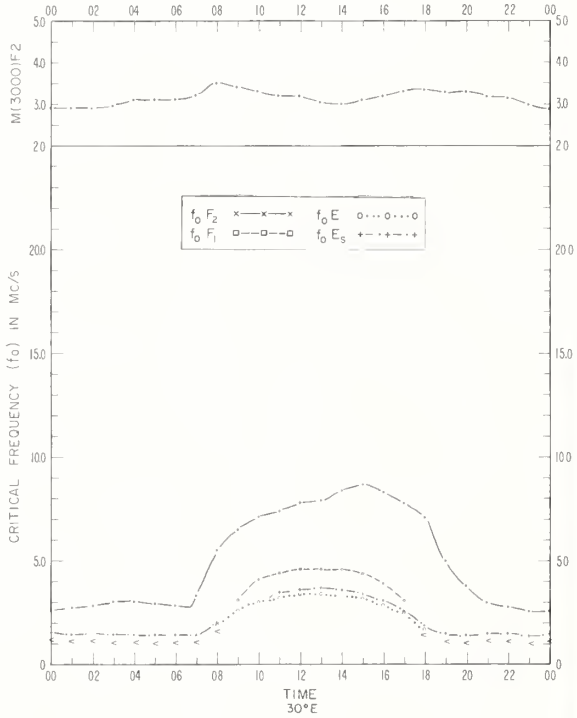

Fig. 80. CAPETOWN, UNION OF S. AFRICA
34.1°S, 18.3°E AUGUST 1961

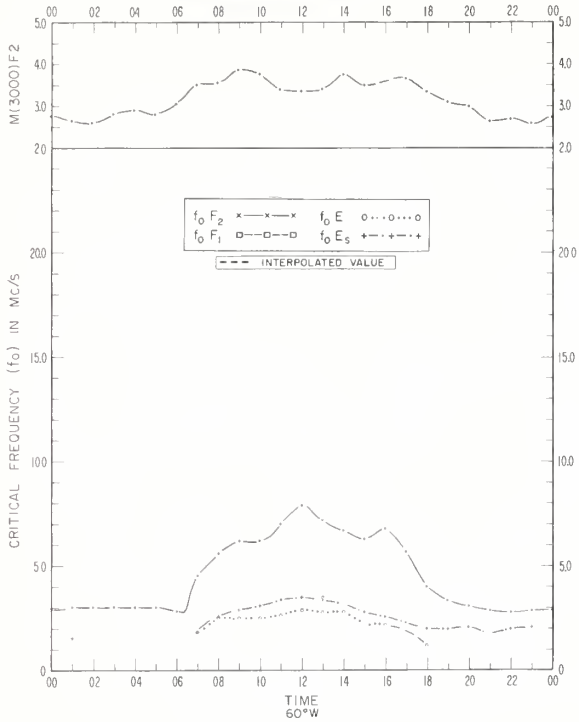

Fig. 81 FALKLAND IS.
51.7°S, 57 8°W AUGUST 1961

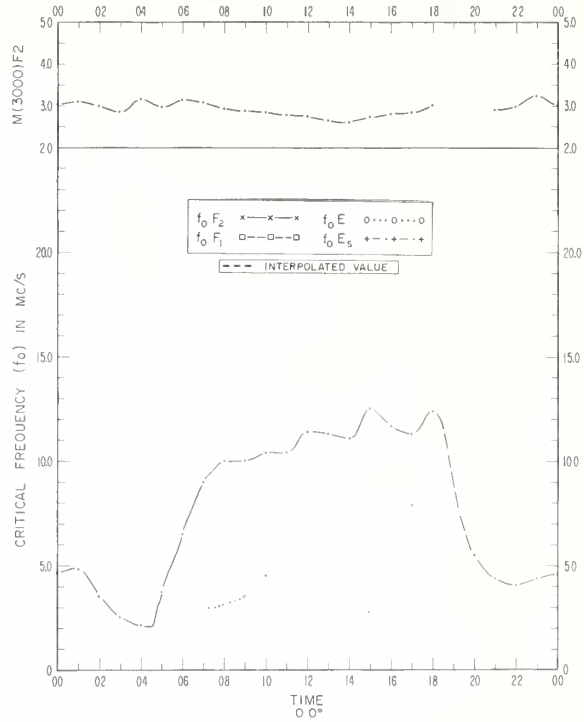

Fig 82. LEOPOLDVILLE, CONGO
4 4°S, 15.2°E JULY 1961

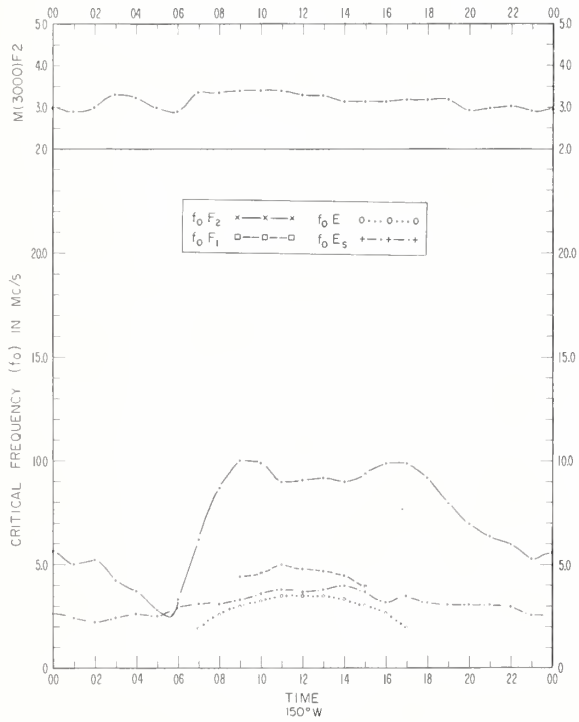

Fig. 83. TAHITI, SOCIETY IS.
17 7°S, 149.3°W JULY 1961

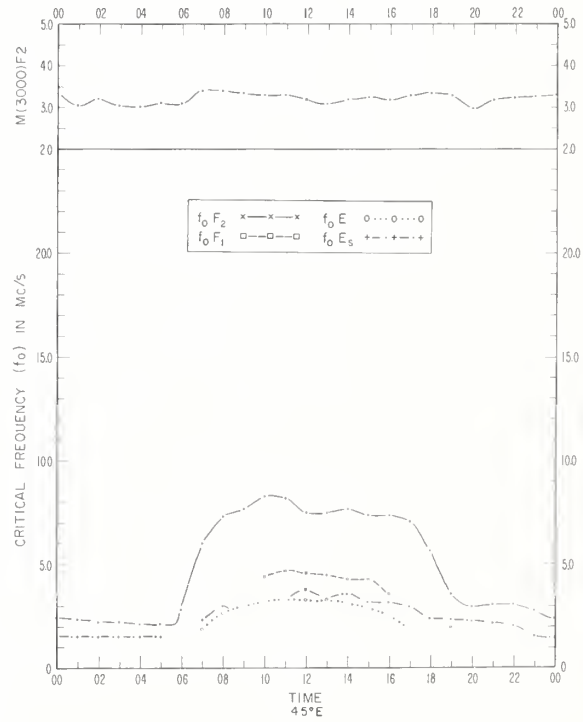

Fig 84 TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47 5°E JULY 1961

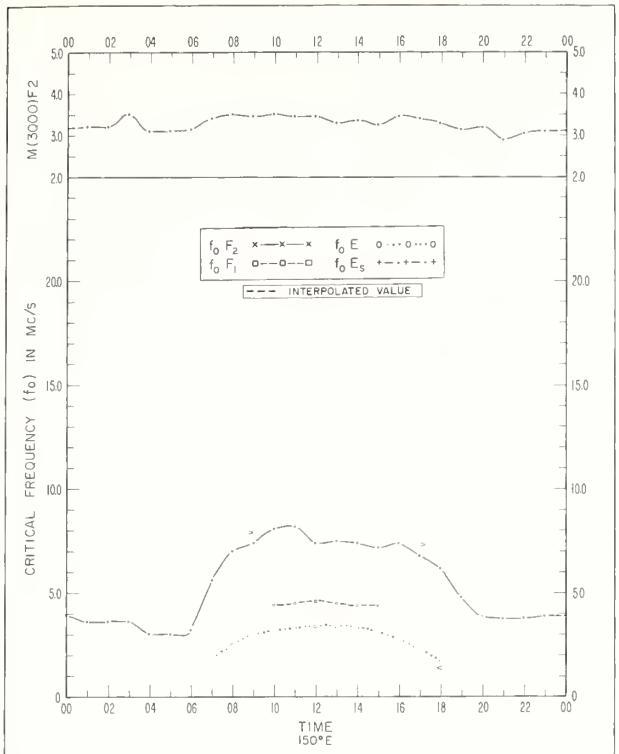

Fig 85. TOWNSVILLE, AUSTRALIA
19.3°S, 146.7°E JULY 1961

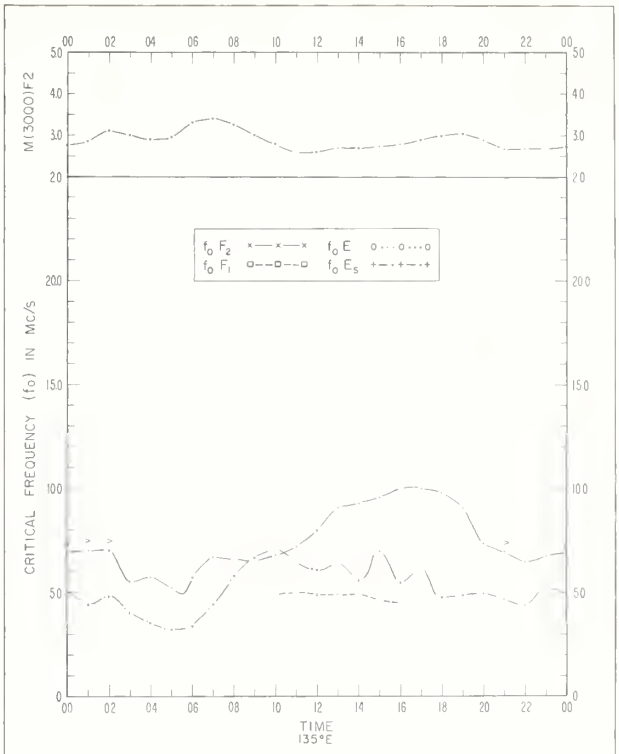

Fig 86 OKINAWA I.
26.3°N, 127 8°E JUNE 1961

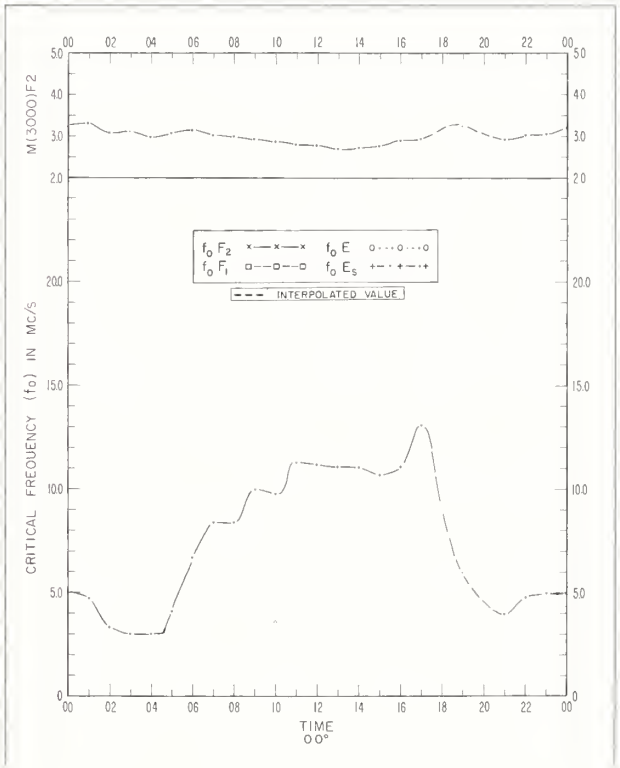

Fig. 87 LEOPOLDVILLE, CONGO
4.4°S, 15.2°E JUNE 1961

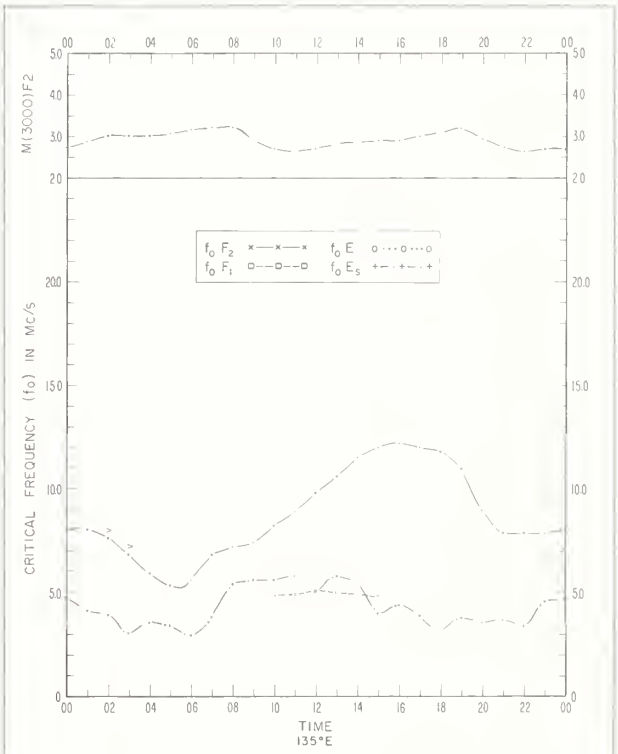

Fig. 88. OKINAWA I.
26 3°N, 127 8°E MAY 1961

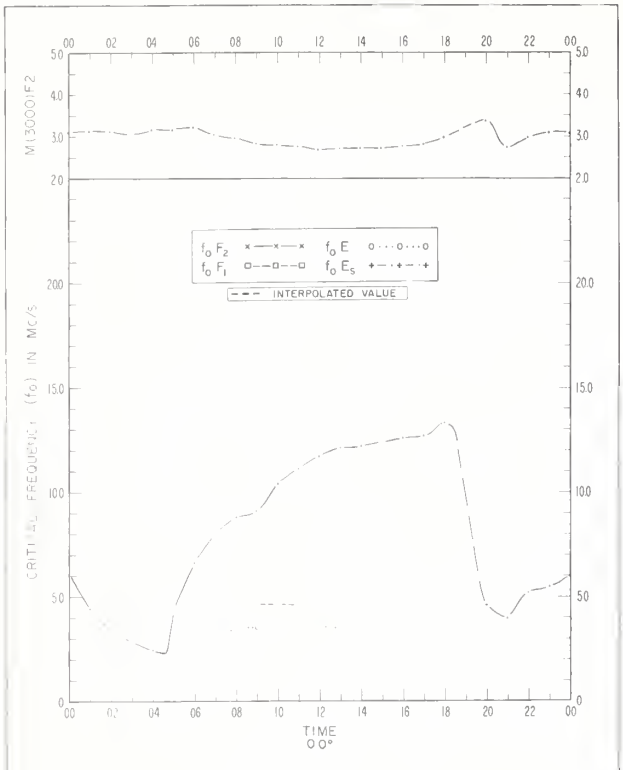

Fig 89 LEOPOLDVILLE, CONGO
4 4°S, 15.2°E MAY 1961

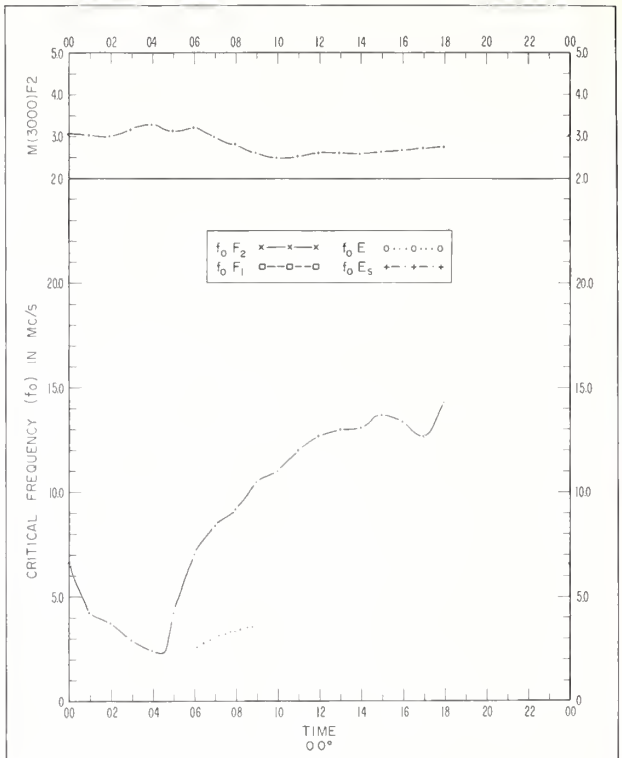

Fig 90. LEOPOLDVILLE, CONGO
4.4°S, 15.2°E APRIL 1961

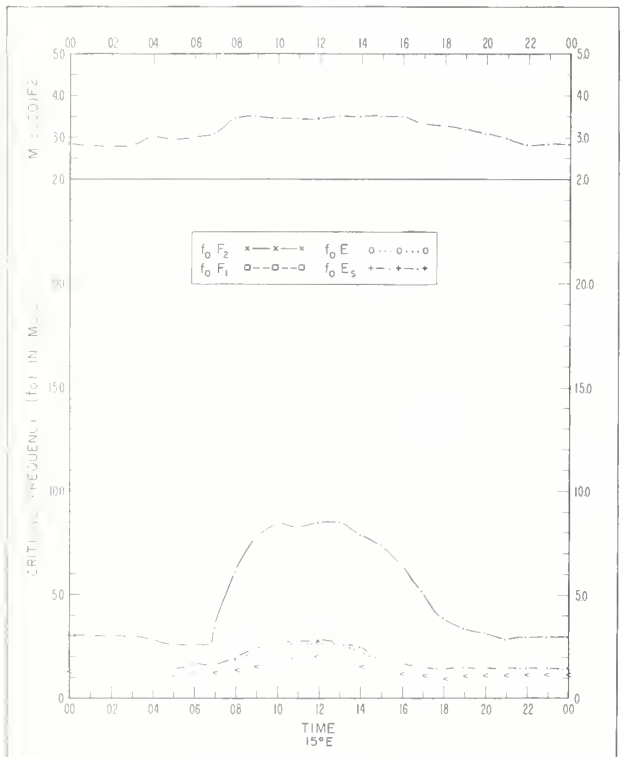

Fig 91. WARSAW, POLAND
52 2°N, 21.2°E JANUARY 1961

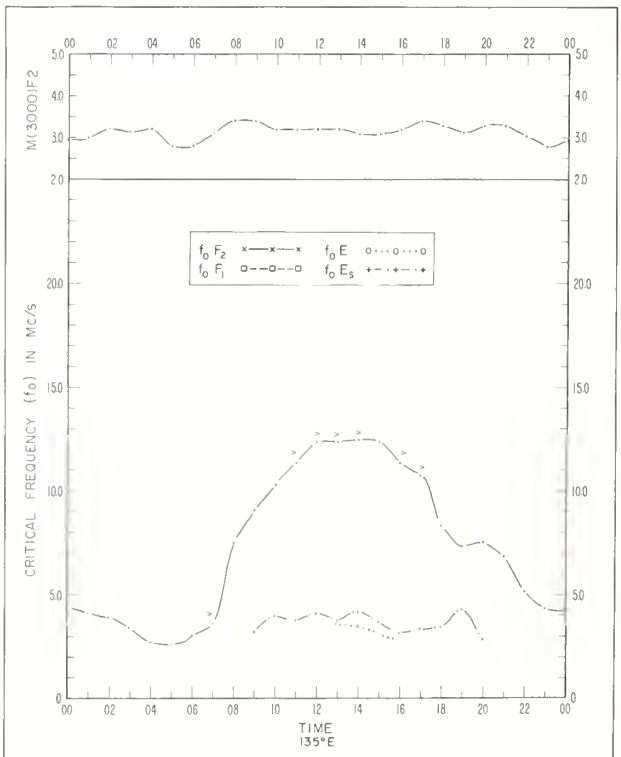

Fig 92. OKINAWA I.
26.3°N, 127 8°E JANUARY 1961

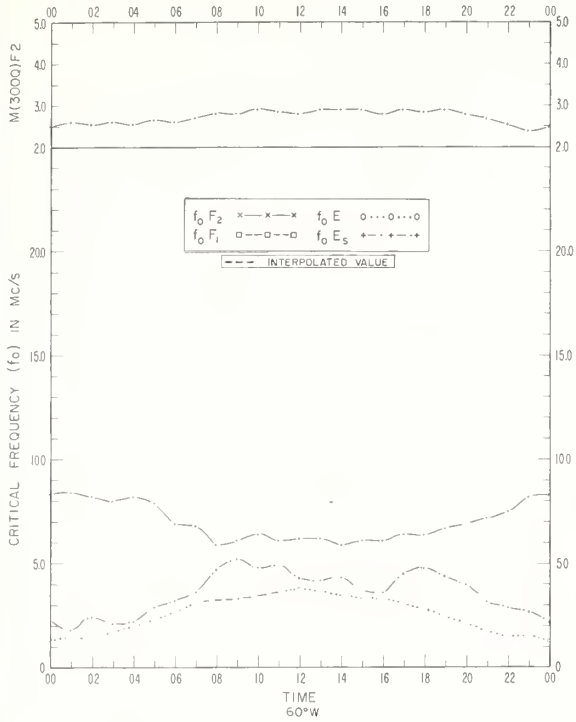

Fig. 93. PORT LOCKROY, ANTARCTICA
64.8°S, 63.5°W JANUARY 1961

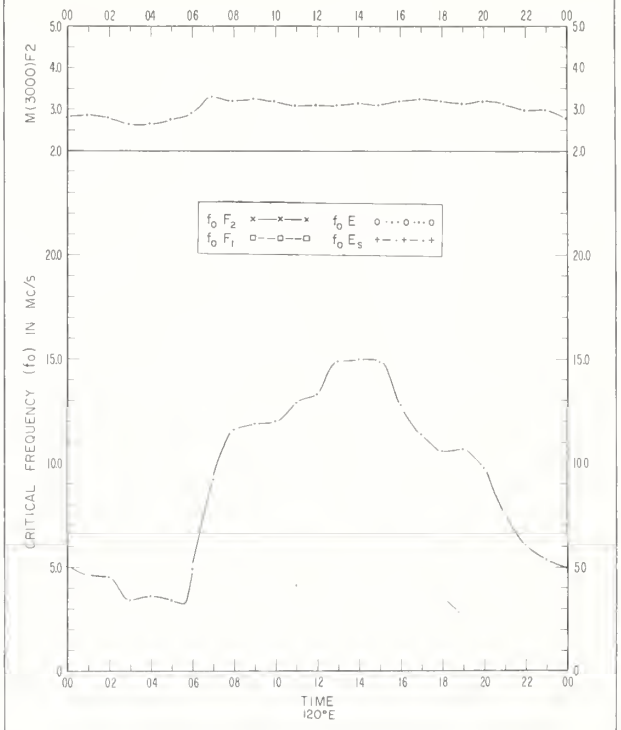

Fig 94 FORMOSA, CHINA
25.0°N, 121.5°E DECEMBER 1960

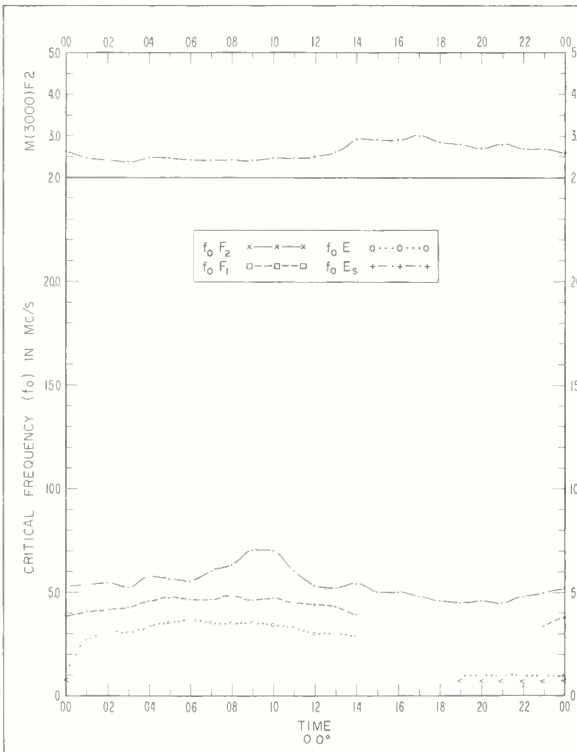

Fig 95 MAWSON, ANTARCTICA
67.6°S, 62.9°E DECEMBER 1960

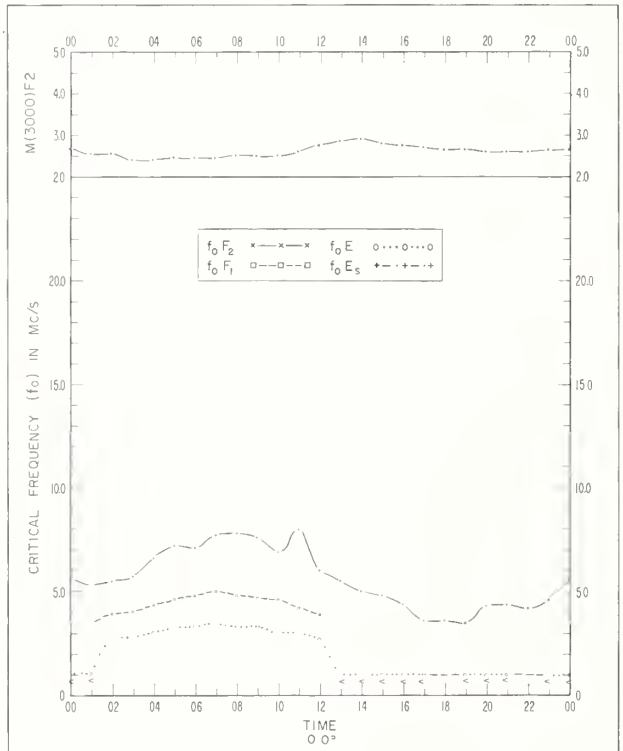

Fig. 96. MAWSON, ANTARCTICA
67.6°S, 62.9°E OCTOBER 1960

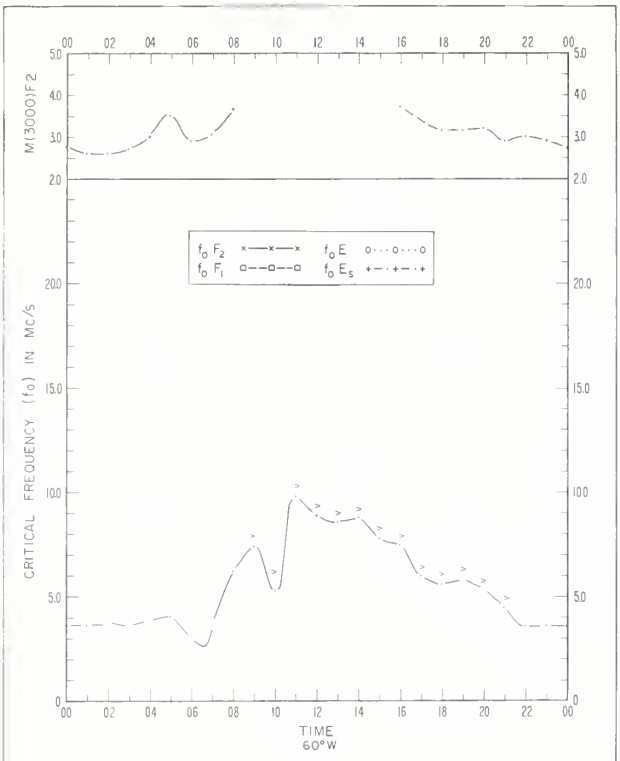

Fig 97. TRELEW, ARGENTINA
43.2°S, 65.3°W
AUGUST 1960

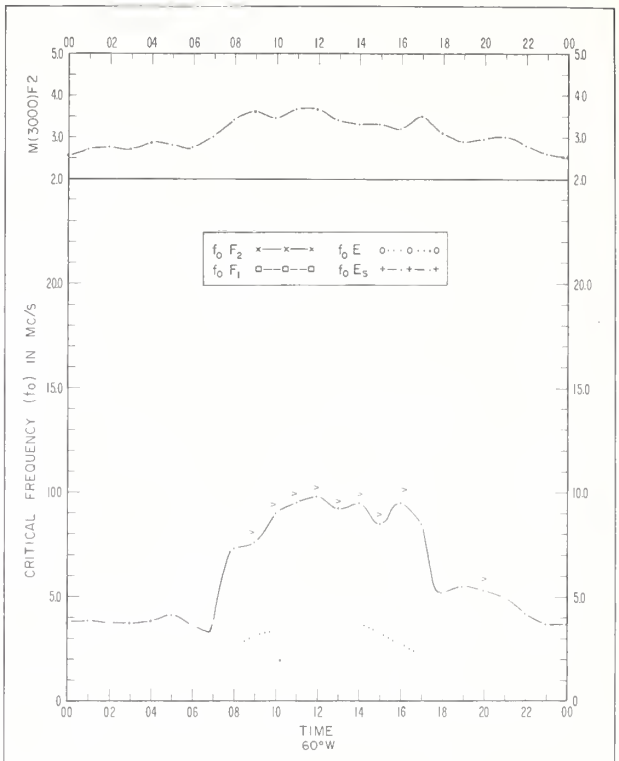

Fig 98 TRELEW, ARGENTINA
43.2°S, 65.3°W
JULY 1960

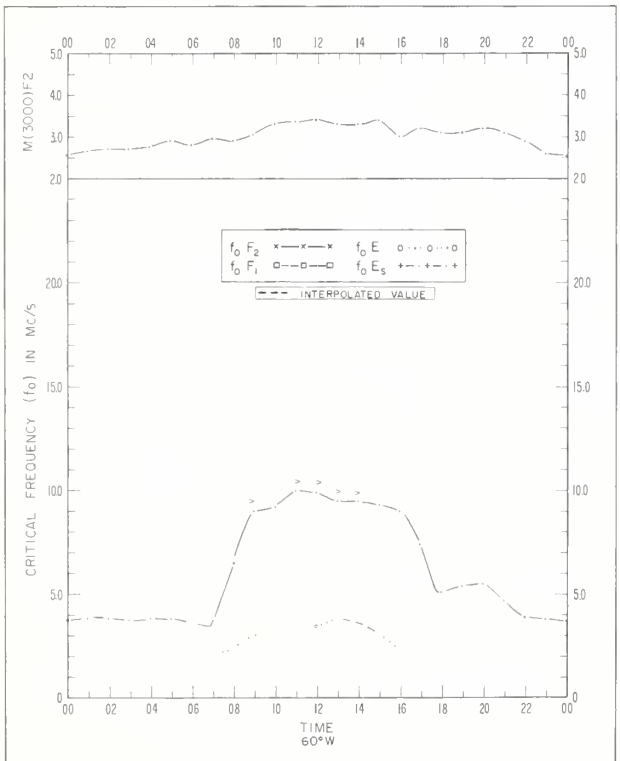

Fig 99 TRELEW, ARGENTINA
43.2°S, 65.3°W
JUNE 1960

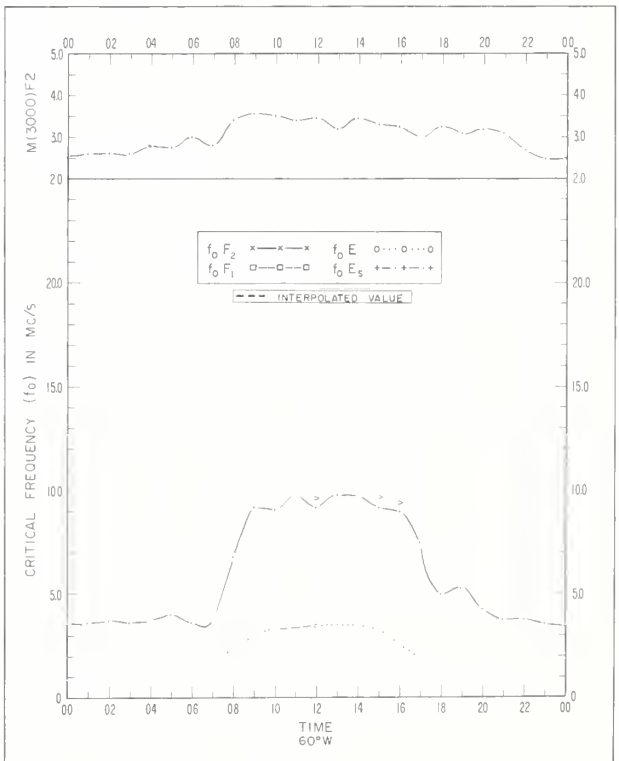

Fig 100. TRELEW, ARGENTINA
43.2°S, 65.3°W
MAY 1960

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